

### Question 1

A child diagnosed with ADHD would likely exhibit which symptoms? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Able to focus on a task for an extended period of time
2. Impulsiveness
3. Excessive talking
4. Easily distracted
5. Violent behavior

Answer: <https://biology-forums.com/index.php?topic=849293>

### Question 2

Example of unreliable and unproven sources would include? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Health Canada website
2. Wikipedia
3. Personal blogs
4. eCPS

Answer: <https://biology-forums.com/index.php?topic=849181>

### Question 3

A patient has been prescribed timolol. When does the maximum therapeutic effect occur for the medication?

1. It takes 6–8 weeks.
2. It begins immediately.
3. It takes 2–4 weeks.
4. It takes 1–2 weeks.

Answer: <https://biology-forums.com/index.php?topic=849915>

### Question 4

A patient is receiving heparin therapy, and serious hemorrhage occurs. Which medication should the pharmacist administer to reverse the effects of heparin?

1. Vitamin K
2. Desirudin
3. Potassium
4. Protamine sulfate

Answer: <https://biology-forums.com/index.php?topic=849477>

### Question 5

The patient has been prescribed cefotaxime. Which infections does the pharmacist anticipate this patient to have? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Skin infection
2. Central nervous system infection
3. Joint infection
4. Lower respiratory tract infection
5. Viral infection

Answer: <https://biology-forums.com/index.php?topic=849745>

### Question 6

The pharmacy technician is being educated on treatment of patients following a nuclear accident. Which statement by the pharmacy technician indicates that the objectives for the session have been met?

1. "Patients will be given potassium iodide tablets."
2. "Iodine-131 will protect the patient's vital organs."
3. "Potassium iodide will provide protection if taken within days of a nuclear accident."
4. "Radiation exposure can be treated with medications."

Answer: <https://biology-forums.com/index.php?topic=850146>

### Question 7

One theory for the cause of schizophrenia suggests that the disorder is caused by over activity of this neurotransmitter in specific areas of the brain.

1. Serotonin
2. Dopamine

3. Acetylcholine
4. Norepinephrine

Answer: <https://biology-forums.com/index.php?topic=849316>

### Question 8

The pharmacist is discussing treatment for a superinfection with a patient and family members. The family asks the pharmacist what a superinfection is. What is the best response by the pharmacist?

1. A secondary infection that is caused by a weakened immune system
2. A secondary infection that occurs when microorganisms normally present in the body are killed by the drug
3. An infection that is difficult to treat
4. A drug-resistant infection

Answer: <https://biology-forums.com/index.php?topic=849742>

### Question 9

It is difficult to kill cancer cells selectively without profoundly affecting normal cells.

Answer: <https://biology-forums.com/index.php?topic=849838>

### Question 10

A patient is being treated for an anxiety disorder. Which types of medications are used to treat anxiety disorders? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Barbiturates
2. Beta blockers
3. Benzodiazepines
4. Alpha blockers
5. SSRIs

Answer: <https://biology-forums.com/index.php?topic=849268>

### Question 11

Local anesthetics work by blocking potassium channels, causing loss of sensation in the area.

Answer: <https://biology-forums.com/index.php?topic=849465>

### Question 12

What happens in the coagulation cascade when prothrombinase is activated after an injury?

1. Fibrinogen changes to fibrin
2. Prothrombin changes to thrombin
3. Plasminogen changes to plasmin
4. Thrombin changes to prothrombin

Answer: <https://biology-forums.com/index.php?topic=849469>

### Question 13

A patient has been prescribed raloxifene hydrochloride. What information about side effects should the pharmacist include in the patient teaching about the medication? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hot flashes
2. Breast pain
3. Sinus headache
4. Vaginal bleeding
5. Endometriosis

Answer: <https://biology-forums.com/index.php?topic=850099>

### Question 14

The symbol Pr means the drug can only be dispensed with a prescription.

Answer: <https://biology-forums.com/index.php?topic=848795>

### Question 15

The patient asks the pharmacist why cancer is difficult to cure. Which statement by the pharmacist is the most appropriate?

1. "Every cancer cell must be removed or destroyed to cure cancer."
2. "Most people will not take the medications."
3. "The only way to cure cancer is to use medication, surgery, and radiation in all patients."
4. "Surgery is the only way to cure cancer."

Answer: <https://biology-forums.com/index.php?topic=849817>

### Question 16

Which lifestyle changes should the pharmacist recommend to the patient to lower blood lipid levels? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Increased exercise
2. Restriction of dietary unsaturated fat
3. Smoking cessation
4. Taking medication
5. Restricting dietary cholesterol

Answer: <https://biology-forums.com/index.php?topic=849649>

### Question 17

The physician has prescribed an alpha blocker for the patient. The pharmacist anticipates what medication to be prescribed?

1. Atenolol
2. Doxazosin
3. Lisinopril
4. Diltiazem

Answer: <https://biology-forums.com/index.php?topic=849517>

### Question 18

Pressure is higher in the vessels farthest from the heart.

Answer: <https://biology-forums.com/index.php?topic=849528>

### Question 19

EPSs include acute dystonia, akathisia, loss of memory, and tardive dyskinesia.

Answer: <https://biology-forums.com/index.php?topic=849347>

### Question 20

Why is hemostasis important? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. To protect the body from both external and internal injuries
2. To prevent shock and death due to bleeding from wounds
3. To maintain a delicate balance between blood fluidity and coagulation
4. To maintain body temperature in times of stress

Answer: <https://biology-forums.com/index.php?topic=849467>

### Question 21

The pharmacy technician instructs the patient that which foods contain high amounts of Omega-3 fatty acids? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Green beans
2. Bananas
3. Tofu
4. Salmon
5. Red meat

Answer: <https://biology-forums.com/index.php?topic=849639>

### Question 22

An example of a health care professional would be

1. A physician
2. A dentist
3. A nurse practitioner
4. A pharmacy technician

Answer: <https://biology-forums.com/index.php?topic=848587>

### Question 23

The pharmacist is teaching the patient about side effects of medications for hypertension. Which side effects will the pharmacist educate the patient to contact the physician if they occur? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Blood pressure 120/70
2. Pulse 80 beats per minute

3. Signs and symptoms of hypertension
4. Signs and symptoms of hypotension
5. Respiratory rate of 20

Answer: <https://biology-forums.com/index.php?topic=849516>

### Question 24

A patient asks the pharmacist why an antidysrhythmic drug is not prescribed for prophylaxis. Which statement should the pharmacist include in the response? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. "You should speak with your physician about receiving a prescription for prophylaxis."
2. "These drugs are only prescribed for prophylaxis if you have a family history of dysrhythmias."
3. "Research studies have found that the use of antidysrhythmic medications for prophylaxis can actually increase patient mortality."
4. "Antidysrhythmics have the ability not only to correct dysrhythmias but also to worsen or even create new dysrhythmias."
5. "These drugs cannot be prescribed for prophylaxis since you have a history of diabetes."

Answer: <https://biology-forums.com/index.php?topic=849589>

### Question 25

Which hormone is released from the adrenal gland when ACTH travels through the bloodstream and reaches the adrenal cortex?

1. Aldosterone
2. Estrogen
3. Cortisol
4. Corticotropin-releasing factor

Answer: <https://biology-forums.com/index.php?topic=850151>

### Question 26

The release of this chemical, which reacts with the nociceptors, will cause the message of pain to start at the site of injury.

1. Substance P
2. Serotonin
3. Prostaglandins
4. Histamine

Answer: <https://biology-forums.com/index.php?topic=849403>

### Question 27

What teaching point should the pharmacist include for a patient who is prescribed a thiazide diuretic?

1. Take the medication in the morning.
2. Take with two full glasses of water.
3. Avoid foods containing potassium.
4. Take before bed.

Answer: <https://biology-forums.com/index.php?topic=849520>

### Question 28

Stimulation of the parasympathetic nervous system is caused by which type(s) of drug? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Parasympathomimetics
2. Cholinergic agents
3. Adrenergic agents
4. Sympathomimetics
5. Anticholinergic agents

Answer: <https://biology-forums.com/index.php?topic=849238>

### Question 29

When drugs are taken together and one drug pushes the other drug below the minimum toxic concentration, side effects typically occur.

Answer: <https://biology-forums.com/index.php?topic=848995>

### Question 30

A patient has been prescribed tretinoin. What will the pharmacist include in the patient teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. "Do not use this medication if pregnant."
2. "Avoid using vitamin C supplements."
3. "Increase intake of vitamin A."
4. "Avoid exposure to the sun."

5. "Do not take with oral contraceptives."

Answer: <https://biology-forums.com/index.php?topic=850125>

### Question 31

The patient is prescribed a potassium supplement and spironolactone. Based on this combination, what outcome does the pharmacist expect?

1. The two medications will be ineffective if taken together.
2. Spironolactone will lower potassium levels, so a supplement is necessary.
3. These two medications will decrease potassium levels.
4. The patient is at risk for hyperkalemia when taking both the supplement and spironolactone.

Answer: <https://biology-forums.com/index.php?topic=849721>

### Question 32

Classes of drugs used to treat Parkinson's include: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Anticholinergics
2. Dopamine agonists
3. Cholinesterase inhibitors
4. MAO-B inhibitors

Answer: <https://biology-forums.com/index.php?topic=849342>

### Question 33

The pharmacist is caring for a patient prescribed enalapril. The pharmacist educates the patient that which side effect of this medication is potentially life-threatening?

1. Hypokalemia
2. Supraventricular tachycardia
3. Ventricular fibrillation
4. Angioedema

Answer: <https://biology-forums.com/index.php?topic=849515>

### Question 34

A patient is diagnosed with bone cancer, and is placed on methotrexate. What is the correct classification for this medication?

1. An alkaloid
2. An antimetabolite
3. An alkylating agent
4. An antitumor antibody

Answer: <https://biology-forums.com/index.php?topic=849827>

### Question 35

The patient has been started on propranolol. What finding does the pharmacist expect?

1. Increased respiratory rate
2. Lowered heart rate
3. Stabilized oxygen saturation
4. Increased blood pressure

Answer: <https://biology-forums.com/index.php?topic=849581>

### Question 36

A patient presents with anaphylaxis. What treatment options are likely to be administered to this patient? (Select all that apply.)

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Oxygen
2. Salbutamol
3. Aspirin
4. Diphenhydramine
5. Acetaminophen

Answer: <https://biology-forums.com/index.php?topic=849689>

### Question 37

The CJHP is a peer-reviewed journal for pharmacists featuring original research, reviews, commentaries, evidence briefs, clinical practice guidelines, and practice tools.

Answer: <https://biology-forums.com/index.php?topic=849213>

### Question 38

A patient has prescriptions for salbutamol and salmeterol. Which instruction should the pharmacist provide for this patient?

1. They should not be taken together.
2. The order of administration doesn't matter.
3. Take salmeterol first.
4. Take salbutamol first.

Answer: <https://biology-forums.com/index.php?topic=849863>

### Question 39

Which statements are true regarding opioid receptors? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Opioid blockers such as naloxone inhibit both the mu and kappa receptors.
2. Some opioids stimulate a particular receptor; others block a receptor.
3. Opioid blockers such as naloxone stimulate both the mu and kappa receptors.
4. Opioids interact with mu (types one and two) and kappa receptors.
5. Opioids interact with sigma, delta, and epsilon receptors only.

Answer: <https://biology-forums.com/index.php?topic=849394>

### Question 40

Dosing in pediatrics has to be adjusted due to their under developed metabolic enzymes.

Answer: <https://biology-forums.com/index.php?topic=848983>

### Question 41

The pharmacist is discharging a patient to home with a prescription for clarithromycin. Which statement by the patient indicates understanding of the discharge teaching?

1. "I need to take the medication until it is gone."
2. "I can quit taking this medication when I feel better."
3. "I cannot clean house while taking this medication."
4. "I cannot drive while taking this medication."

Answer: <https://biology-forums.com/index.php?topic=849751>

### Question 42

Pure opioids such as morphine activate these receptors in order to lessen pain. (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Delta
2. Dopamine
3. Mu
4. Kappa

Answer: <https://biology-forums.com/index.php?topic=849391>

### Question 43

A patient is admitted with a systemic fungal infection. How does the pharmacist anticipate this infection will affect the patient?

1. It affects the skin.
2. It affects the oral mucosa.
3. It affects internal organs.
4. It affects the scalp.

Answer: <https://biology-forums.com/index.php?topic=849769>

### Question 44

The pharmacist is caring for a patient who is experiencing constipation. Which type of laxative can be taken prophylactically to prevent constipation?

1. Bisacodyl
2. Psyllium muciloid
3. Castor oil
4. Magnesium hydroxide

Answer: <https://biology-forums.com/index.php?topic=849951>

### Question 45

Thrombin causes the change of plasminogen to plasmin, which causes the formation of fibrin strands and a clot.

Answer: <https://biology-forums.com/index.php?topic=849490>

### Question 46

The study of the biochemical and physiological effects of drugs and the mechanisms of their actions is called:

1. Pharmacokinetics
2. Pharmacotherapeutics
3. Pharmacodynamics
4. Physiology

Answer: <https://biology-forums.com/index.php?topic=849001>

### Question 47

The patient asks the pharmacist about the uses of nitrous oxide. Which statement is the most appropriate by the pharmacist?

1. Nitrous oxide is rarely used in any setting.
2. Nitrous oxide is often used for local anesthesia.
3. Nitrous oxide is often used for dental procedures.
4. Nitrous oxide is often used for general anesthesia.

Answer: <https://biology-forums.com/index.php?topic=849454>

### Question 48

The mechanism of drug action of benzodiazepines and barbiturates is to decrease the effects of GABA.

Answer: <https://biology-forums.com/index.php?topic=849284>

### Question 49

The pharmacist is preparing a patient to be discharged home. Which items should the pharmacist instruct the patient to do to help control heart failure? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Reduce weight to an optimum level.
2. Increase caffeine intake.
3. Stop using tobacco.
4. Increase salt intake.

Answer: <https://biology-forums.com/index.php?topic=849541>

### Question 50

The patient with asthma has just been placed on a beta blocker for a dysrhythmia. What symptom of this patient is due to the beta blocker?

1. Elevated blood pressure.
2. Dizziness and fainting.
3. Increased asthma attacks.
4. Bradycardia.

Answer: <https://biology-forums.com/index.php?topic=849593>

### Question 51

Which medication is not a calcium channel blocker?

1. Amlodipine
2. Propranolol
3. Verapamil
4. Diltiazem

Answer: <https://biology-forums.com/index.php?topic=849514>

### Question 52

A patient is prescribed hormone replacement therapy. What should the pharmacist include in the medication teaching for this patient?

1. Decrease intake of high-fiber foods.
2. Avoid heavy lifting.
3. Use an additional form of contraception.
4. Perform breast self-examinations.

Answer: <https://biology-forums.com/index.php?topic=850212>

### Question 53

It is important that the information the pharmacy technician provides to other health care professionals or patients be accurate because giving misleading or false information could have dire consequences to the patient.

Answer: <https://biology-forums.com/index.php?topic=849207>

### Question 54

CDSA stands for Controlled Drugs and Supplies Act.  
Answer: <https://biology-forums.com/index.php?topic=848814>

### Question 55

The pharmacist is caring for a newly diagnosed diabetic. What information should the pharmacist provide to the patient regarding the role of insulin in the body?

1. Insulin decreases blood glucose levels.
2. Insulin increases blood glucose levels.
3. Insulin is not manufactured by the body.
4. Insulin helps maintain fluid balance.

Answer: <https://biology-forums.com/index.php?topic=850162>

### Question 56

The patient has a dysrhythmia, and is started on a calcium channel blocker. What is the rationale for why this patient is being treated with this type of medication?

1. Is not a candidate for an ICD.
2. Will have fewer side effects.
3. Has a supraventricular dysrhythmia.
4. Will respond quicker.

Answer: <https://biology-forums.com/index.php?topic=849592>

### Question 57

Incretin enhancers, such as linagliptin, saxagliptin, and sitagliptin, signal the pancreas to increase insulin secretion, and the liver to stop producing glucagon.  
Answer: <https://biology-forums.com/index.php?topic=850190>

### Question 58

What is the purpose of adding sodium hydroxide to a local anaesthetic medicine?

1. To increase the duration of action
2. To preserve the product
3. To increase the drug's effectiveness in areas with extensive local infection or abscesses
4. To make the area more acidic

Answer: <https://biology-forums.com/index.php?topic=849444>

### Question 59

Left untreated, hypertension can cause strokes, heart attack, heart and kidney failure, dementia, and erectile dysfunction.  
Answer: <https://biology-forums.com/index.php?topic=849527>

### Question 60

A patient has been prescribed a thrombolytic, and asks the pharmacist to explain why this medication has been prescribed. Which reply by the pharmacist is the most appropriate?

1. "These medications are used to prevent the formation of clots."
2. "These medications inhibit the normal removal of fibrin, thus keeping the clot in place for a longer period of time."
3. "These medications are used to dissolve such life-threatening clots."
4. "These medications are used to prevent clot formation in arteries."

Answer: <https://biology-forums.com/index.php?topic=849473>

### Question 61

The pharmacist is caring for a patient with a history of vitamin deficiencies. Which items in the patient history does the pharmacist conclude may be the cause of these deficiencies? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Chronic alcoholism
2. Prolonged parenteral feeding
3. Adequate diet
4. Poverty
5. Smoking

Answer: <https://biology-forums.com/index.php?topic=850041>



### Question 62

The pharmacist is caring for a patient who has been prescribed an interferon. What effect does the pharmacist anticipate this medication will have on the patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Anti-inflammatory action
2. Decrease the heart rate
3. Slow the spread of viral infections
4. Decrease the blood pressure
5. Increase blood glucose

Answer: <https://biology-forums.com/index.php?topic=849891>

### Question 63

If the blood volume is decreased, blood pressure will rise.

Answer: <https://biology-forums.com/index.php?topic=849529>

### Question 64

An epidural anesthetic is often given during labour.

Answer: <https://biology-forums.com/index.php?topic=849458>

### Question 65

The pharmacist is caring for a patient who is experiencing inflammation that involves the middle ear. What is the appropriate medical term for the pharmacist to include in the documentation for this patient?

1. Swimmer's ear
2. Mastoiditis
3. Otitis media
4. Otitis externa

Answer: <https://biology-forums.com/index.php?topic=849926>

### Question 66

A patient is being discharged with a prescription for oxycodone HCl. Which discharge instructions are appropriate? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Increase the dose of oxycodone if the pain returns.
2. Maintain adequate fluid intake.
3. Withhold the medication if respirations are fewer than 12 breaths per minute.
4. Use OTC sleep-inducing antihistamines when needed.
5. Use OTC medications for constipation, if needed

Answer: <https://biology-forums.com/index.php?topic=849413>

### Question 67

The pharmacy technician is educating a group of parents regarding helminths. Which topics should the pharmacy technician include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hookworms
2. Tapeworms
3. Flukes
4. Protozoans
5. Pinworms

Answer: <https://biology-forums.com/index.php?topic=849783>

### Question 68

First-pass effect can result in a large fraction of an administered drug's being metabolically deactivated. Which patient factors will decrease the magnitude of the first-pass effect?

(Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Elderly client
2. Hepatic disease
3. Gall bladder disease
4. Renal disease
5. Parental medication administration

Answer: <https://biology-forums.com/index.php?topic=848927>

### Question 69

Which of the following is a prostaglandin used to treat glaucoma? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Latanoprost
2. Phenylephrine
3. Acetazolamide
4. Brimonidine tartrate

Answer: <https://biology-forums.com/index.php?topic=849929>

### Question 70

The patient received lispro insulin with breakfast. Two hours later, the patient experiences tachycardia, confusion, sweating, and drowsiness. Why are these symptoms occurring?

1. The patient is experiencing hyperglycemia.
2. The patient is experiencing an allergic reaction to lispro.
3. The patient is experiencing a myocardial infarction.
4. The patient is experiencing hypoglycemia.

Answer: <https://biology-forums.com/index.php?topic=850169>

### Question 71

The pharmacist is caring for a patient who is prescribed bile acid resins. Which adverse reactions should be included in the teaching session regarding this medication? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Bloating
2. Constipation
3. Headache
4. Increased urination
5. Diarrhea

Answer: <https://biology-forums.com/index.php?topic=849658>

### Question 72

The pharmacist is teaching a patient who is diagnosed with renal insufficiency. Which functions of the kidneys should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Secrete the enzyme renin.
2. Stimulate red blood cell production.
3. Aid in digestion.
4. Regulate fluid balance.
5. Help maintain blood pressure.

Answer: <https://biology-forums.com/index.php?topic=849701>

### Question 73

A patient is diagnosed with leukemia. What should the pharmacist teach this patient regarding vaccinations?

1. They are critical for survival.
2. They are the cause of the leukemia.
3. They are contraindicated because of a weak immune system.
4. They are too late.

Answer: <https://biology-forums.com/index.php?topic=849890>

### Question 74

Unlike T cells, B cells do not produce antibodies.

Answer: <https://biology-forums.com/index.php?topic=849896>

### Question 75

The patient has been diagnosed with acute glaucoma. What are the common causes for this condition?

1. Trauma or hemorrhage
2. Increased intracranial pressure
3. Increased intraocular pressure
4. Diabetes mellitus or renal disease

Answer: <https://biology-forums.com/index.php?topic=849904>

### Question 76

Lack of sufficient pancreatic juice can cause malabsorption syndromes.

Answer: <https://biology-forums.com/index.php?topic=850010>

### Question 77

A pharmacist is conducting an in-service for students regarding drug excretion. Which responses by the students indicate an understanding of drug excretion? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Breast milk
2. Urine
3. Gastric juice
4. Feces
5. Lungs

Answer: <https://biology-forums.com/index.php?topic=848941>

### Question 78

The pharmacist is caring for a patient who is experiencing acute inflammation. How many days should the pharmacist educate the patient to expect symptoms to persist?

1. 7 to 14 days
2. 8 to 10 days
3. 5 to 7 days
4. 15 to 18 days

Answer: <https://biology-forums.com/index.php?topic=849401>

### Question 79

If a drug is bound to a plasma protein, it is active.

Answer: <https://biology-forums.com/index.php?topic=848973>

### Question 80

Some important websites to use in pharmacy practice would include? (Select all that apply.)

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. NAPRA
2. Provincial regulatory body
3. Local school of pharmacy
4. Wikipedia

Answer: <https://biology-forums.com/index.php?topic=849195>

### Question 81

Vitamin A is a precursor of retinal, a pigment needed for normal vision.

Answer: <https://biology-forums.com/index.php?topic=850053>

### Question 82

The pharmacist is caring for a patient with asthma. The patient asks the pharmacist what structures make up the upper respiratory tract. Which response by the pharmacist is the most appropriate?

1. The nose, nasal cavity, pharynx, and paranasal sinuses
2. The lungs and associated structures
3. The nose and nasal cavity only
4. The nose, nasal cavity, pharynx, paranasal sinuses, and the lungs

Answer: <https://biology-forums.com/index.php?topic=849843>

### Question 83

The pharmacist is caring for a patient who was recently placed on anti-inflammatory drugs. What is the goal of treatment for this patient?

1. Decrease the intensity of the inflammatory response.
2. Keep the patient taking a constant dose of anti-inflammatory medications indefinitely.
3. Increase range of motion.
4. Treat all inflammation with glucocorticoids.

Answer: <https://biology-forums.com/index.php?topic=849405>

### Question 84

The pharmacist is caring for a patient with chronic nasal congestion. The patient is being treated with pseudoephedrine. What class of drug is this product?

1. Sympathomimetic
2. Parasympathomimetic
3. Anticholinergic
4. Adrenergic blocker

Answer: <https://biology-forums.com/index.php?topic=849235>

### Question 85

Registered pharmacy technicians can perform the following new tasks (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Perform the final check on prescriptions
2. Perform the final check on compounded products
3. Counsel patients on their medications
4. Teach patients how to use devices

Answer: <https://biology-forums.com/index.php?topic=848702>

### Question 86

The AV node has the ability to spontaneously generate an electrical impulse if the impulse is not received from the SA node.

Answer: <https://biology-forums.com/index.php?topic=849595>

### Question 87

A patient with chronic sinusitis complains of heart palpitations and nervousness following the use of pseudoephedrine. The pharmacist recognizes that these side effects are the result of which classification of medication?

1. Sympathomimetics
2. Adrenergic blockers
3. Histamines
4. Parasympathomimetics

Answer: <https://biology-forums.com/index.php?topic=849237>

### Question 88

What is the mechanism of action of sumatriptan and other triptans?

1. They cause vasoconstriction of cranial arteries.
2. They block prostaglandin synthesis.
3. They block COX-2.
4. They affect mu receptors.

Answer: <https://biology-forums.com/index.php?topic=849421>

### Question 89

Which of the following are adjuncts to anaesthesia that are given prior to, during, or after surgery? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Propofol
2. Succinylcholine
3. Bethanechol
4. Halothane

Answer: <https://biology-forums.com/index.php?topic=849457>

### Question 90

Which of the following drugs was once used as a local anesthetic in eye surgery?

1. Caffeine
2. Amphetamine
3. Cocaine
4. LSD

Answer: <https://biology-forums.com/index.php?topic=848581>

### Question 91

What instruction is appropriate for a patient who wants to clean the ear canal?

1. Use a bulb syringe approved for removing debris and cold water.
2. Never attempt to clean the ear canal at home.
3. Use a bulb syringe approved for removing debris and warm water.

4. Use a cotton swab.

Answer: <https://biology-forums.com/index.php?topic=849927>

### Question 92

Which of the following would be a loop diuretic?

1. Spironolactone
2. Hydrochlorothiazide
3. Furosemide
4. Mannitol

Answer: <https://biology-forums.com/index.php?topic=849703>

### Question 93

Ways to decrease the development of resistance with antibiotics include (select all that apply): Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Prevent infections by getting immunizations.
2. Advise patients to stop taking their antibiotic when they start to feel better.
3. Restrict use of antibiotics to medically necessary only.
4. Prevent transmission of the pathogen by using methods of proper hygiene.

Answer: <https://biology-forums.com/index.php?topic=849739>

### Question 94

A patient asks the pharmacist to describe conditions that require coagulation-modifying medications. Which conditions should the pharmacist include in the explanation? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Deep vein thrombosis (DVT)
2. Angina
3. Myocardial infarction
4. Headache
5. Hyperglycemia

Answer: <https://biology-forums.com/index.php?topic=849470>

### Question 95

The pharmacist is caring for two patients with the same diagnosis. One patient complains of pain rated 6/10 and the other patient complains of pain 1/10. How does the pharmacist explain why these two patients experience such differences in their pain rating?

1. The patient's reaction to pain is a subjective experience.
2. The patient's reaction to pain should be the same.
3. The patient with the pain rated 1/10 does not want to complain.
4. One patient has progressed further in the disease.

Answer: <https://biology-forums.com/index.php?topic=849387>

### Question 96

Closed-angle glaucoma is usually caused by stress, impact injury, or medications and comes on suddenly.

Answer: <https://biology-forums.com/index.php?topic=849933>

### Question 97

The pharmacy technician is preparing a presentation for other healthcare providers about substance abuse. Which reasons for abuse should the pharmacy technician include? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Rotating shifts
2. Fatigue
3. Difficulty sleeping
4. Decreased demand for health care providers
5. Decreased stress related to the job

Answer: <https://biology-forums.com/index.php?topic=849131>

### Question 98

High levels of androgens may cause (Select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. testicular shrinkage
2. increased sex drive
3. increased fertility
4. possible mood swings involving rage or depression

Answer: <https://biology-forums.com/index.php?topic=850205>

### Question 99

If a person is deficient in B12 because their intrinsic factor production is low, the best way to get the B12 will be by injection.

Answer: <https://biology-forums.com/index.php?topic=850055>

### Question 100

A patient is taking carbamazepine. What type of seizure activity does the pharmacist anticipate this patient has experienced?

1. Tonic-clonic seizures
2. Petit mal seizures
3. Partial seizures
4. Grand mal seizures

Answer: <https://biology-forums.com/index.php?topic=849369>

### Question 101

A patient taking a muscle relaxant is experiencing side effects from the medication. Which patient symptoms are side effects of muscle relaxants? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Epistaxis
2. Drowsiness
3. Dry mouth
4. Ataxia
5. Diarrhea

Answer: <https://biology-forums.com/index.php?topic=850066>

### Question 102

Drugs that increase the outflow of aqueous humor include miotics, sympathomimetics, prostaglandin antagonists and prostamides.

Answer: <https://biology-forums.com/index.php?topic=849938>

### Question 103

A pharmacist is instructing students about the history of anesthetics. Which type of anesthetic would the educator tell the students was the ester of choice from the mid-1900s to the 1960s?

1. Cocaine
2. Benzocaine
3. Procaine
4. Lidocaine

Answer: <https://biology-forums.com/index.php?topic=849440>

### Question 104

The patient asks the pharmacist which OTC medication will lubricate the eye and cause vasoconstriction. Which response by the pharmacist is correct?

1. "Oxymetazoline hydrochloride."
2. "Methylcellulose."
3. "Polyvinyl alcohol."
4. "Lanolin alcohol."

Answer: <https://biology-forums.com/index.php?topic=849922>

### Question 105

A pharmacist is teaching a group of students about gases used for anesthesia. Which response by the students indicates understanding of the material?

1. Dibucaine is a gas used for anesthesia.
2. Dyclonine is a gas used for anesthesia.
3. Pramoxine is a gas used for anesthesia.
4. Nitrous oxide is a gas used for anesthesia.

Answer: <https://biology-forums.com/index.php?topic=849447>

### Question 106

Some medications may contribute to the development of glaucoma, including long-term use of topical corticosteroids, some antihypertensives, antihistamines, and antidepressants.

Answer: <https://biology-forums.com/index.php?topic=849931>

### Question 107

The goal of general anaesthesia is to provide slow and partial loss of sensation.

Answer: <https://biology-forums.com/index.php?topic=849461>

### Question 108

Addison's disease occurs when high levels of corticosteroids are present in the body over a prolonged period.

Answer: <https://biology-forums.com/index.php?topic=850181>

### Question 109

Diuretics can cause the depletion of this mineral:

1. Calcium
2. Sodium
3. Potassium
4. Magnesium

Answer: <https://biology-forums.com/index.php?topic=850043>

### Question 110

Beta-adrenergic blockers reduce automaticity and increase conduction velocity in the heart.

Answer: <https://biology-forums.com/index.php?topic=849600>

### Question 111

A patient asks the pharmacy technician why withdrawal syndrome occurs when some drugs are stopped. What is the best response by the pharmacy technician?

1. "This is a misconception. All abused substances cause withdrawal syndrome."
2. "Only illegal substances cause withdrawal syndrome."
3. "A substance must be abused for at least a year to cause withdrawal syndrome."
4. "Over time, the body's cells are tricked into believing it is normal for that substance to always be present, and when it is no longer present, the body experiences withdrawal syndrome."

Answer: <https://biology-forums.com/index.php?topic=849077>

### Question 112

A patient has been prescribed candesartan daily. What classification does this medication belong to?

1. Calcium channel blocker
2. ACE inhibitor
3. Beta blocker
4. Angiotensin-receptor blocker

Answer: <https://biology-forums.com/index.php?topic=849522>

### Question 113

A patient is prescribed multiple medications for hypertension. The patient asks the pharmacist which of the medications prescribed is an ACE inhibitor. Which response by the pharmacist is appropriate?

1. Furosemide
2. Amlodipine
3. Ramipril
4. Metoprolol

Answer: <https://biology-forums.com/index.php?topic=849510>

### Question 114

Why is cycling done with chemotherapy?

1. To increase the success of therapy by catching cells at different stages of replication
2. To decrease the number of adverse effects experienced by the patient
3. To increase the tumor size
4. To reduce the number of drugs needed to treat the cancer.

Answer: <https://biology-forums.com/index.php?topic=849820>

### Question 115

The patient exhibits symptoms of dilated pupils, sweating, and tremors. Which category of drug does the pharmacy technician anticipate the patient has ingested?

1. Alcohol
2. CNS stimulant
3. CNS depressant
4. Opioid

Answer: <https://biology-forums.com/index.php?topic=849125>

### Question 116

Which of the following are risk factors associated with glaucoma? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. low blood pressure
2. migraine headaches
3. high levels of nearsightedness or farsightedness
4. younger age

Answer: <https://biology-forums.com/index.php?topic=849905>

### Question 117

A state of apprehension that stems from anticipation of danger from an unknown source is referred to as anxiety.

Answer: <https://biology-forums.com/index.php?topic=849279>

### Question 118

The patient has been taking clonazepam for chronic anxiety for three years. The patient tells the pharmacist he wants to stop the medication. What is the best response by the pharmacist?

1. "You will need to gradually decrease your dose before stopping."
2. "I don't think it is a good idea to stop your medication."
3. "There are not any serious complications to stopping this drug."
4. "Medications for anxiety must be taken for the rest of your life."

Answer: <https://biology-forums.com/index.php?topic=849273>

### Question 119

The patient has been prescribed a thiazide diuretic. What are the potential adverse effects of thiazide diuretics? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Epistaxis
2. Dizziness
3. Hyperkalemia
4. Hypotension
5. Hypocalcemia

Answer: <https://biology-forums.com/index.php?topic=849712>

### Question 120

Vitamins are inorganic compounds required by the body in small amounts for growth and for the maintenance of normal metabolic processes.

Answer: <https://biology-forums.com/index.php?topic=850052>

### Question 121

The patient asks the pharmacy technician which medication on a family member's list is a beta-adrenergic blocker. What should be the technician's reply?

1. Prazosin
2. Atenolol
3. Doxazosin
4. Terazosin

Answer: <https://biology-forums.com/index.php?topic=849233>

### Question 122

This type of medication was not discovered until the early 1900's.

1. Aspirin
2. Penicillin
3. Morphine
4. Cocaine

Answer: <https://biology-forums.com/index.php?topic=848582>



### Question 123

What teaching should the pharmacist anticipate for a patient who has initiated the use of herbal supplements?

1. Providing a variety of places to purchase their supplements
2. Discontinuation of other medications
3. Beginning with the lowest recommended dose
4. Eliminating the supplement from the diet so as not to cause toxicity

Answer: <https://biology-forums.com/index.php?topic=850020>

### Question 124

Drugs that slow down an enzyme in the CYP450 isoenzyme system would be called:

1. Substrates
2. Inducers
3. Inhibitors
4. Co-enzymes

Answer: <https://biology-forums.com/index.php?topic=848925>

### Question 125

The pharmacist is caring for a diabetic patient who has breath with a fruity odor. Which conclusion by the pharmacist is the most appropriate?

1. The patient has been consuming frequent intake of candy.
2. The patient is hyperglycemic.
3. The patient is hypoglycemic.
4. The patient is experiencing an allergic reaction to medication for diabetes.

Answer: <https://biology-forums.com/index.php?topic=850170>

### Question 126

As long as you have 2000 hours of practice in the profession of pharmacy, you can automatically be called a registered pharmacy technician.

Answer: <https://biology-forums.com/index.php?topic=848733>

### Question 127

Which instructions by the pharmacist are appropriate for a patient who wants to decrease the cholesterol level? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Stop smoking.
2. Increase physical activity.
3. Increase dietary fiber.
4. Increase LDL intake.

Answer: <https://biology-forums.com/index.php?topic=849650>

### Question 128

Betamethasone valerate is a topical corticosteroid with medium potency.

Answer: <https://biology-forums.com/index.php?topic=850140>

### Question 129

A patient has been prescribed a subcutaneous anticoagulant. Which anticoagulant can the nurse administer subcutaneously? (Select all that apply.)

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Lepirudin
2. Dalteparin
3. Enoxaparin
4. Warfarin
5. Insulin

Answer: <https://biology-forums.com/index.php?topic=849487>

### Question 130

An 8-year-old patient is diagnosed with cancer. What is the best assumption by the pharmacist?

1. Because of the patient's age, there is no medicine available.
2. This is the leading cause of death in children younger than 15 years old.
3. Because of the patient's age, there will be no pain involved.
4. Because of the patient's age, the prognosis is positive.

Answer: <https://biology-forums.com/index.php?topic=849807>

### Question 131

A patient is being treated with corticosteroids for contact dermatitis. The patient asks how to avoid contact dermatitis. Which statements by the pharmacist are appropriate to indicate how contact dermatitis is caused? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Latex
2. Jewelry
3. Perfume
4. Peanuts
5. Lactose

Answer: <https://biology-forums.com/index.php?topic=850126>

### Question 132

Which medication does the pharmacist anticipate for a patient who will undergo an ophthalmic examination?

1. Antimicrobials and local anesthetics
2. Local anesthetics and NSAIDs
3. Corticosteroids and antibiotics
4. Cycloplegics and mydriatics

Answer: <https://biology-forums.com/index.php?topic=849921>

### Question 133

If sildenafil is taken with cardiovascular products, especially nitrates, an increased risk of hypertension is possible.

Answer: <https://biology-forums.com/index.php?topic=850228>

### Question 134

A patient taking warfarin should be instructed to avoid herbal supplements such as green tea, ginkgo, feverfew, garlic, cranberry, chamomile, and ginger. The patient asks the pharmacist why these items should be avoided. The pharmacist bases her response on what knowledge?

1. These items increase the risk of bleeding.
2. These items cause severe hypotension.
3. The items decrease the effect of the warfarin (Coumadin).
4. These items cause severe headache.

Answer: <https://biology-forums.com/index.php?topic=849479>

### Question 135

An action potential begins when sodium ion channels located in the plasma membrane open and Na<sup>+</sup> rushes into the cell, producing :

1. A relaxation of the atria and ventricles
2. A rapid depolarization
3. A rapid repolarization
4. A refractory period

Answer: <https://biology-forums.com/index.php?topic=849574>

### Question 136

The pharmacist is preparing to teach a patient how to prevent influenza. What is the best approach for individuals to take to prevent influenza?

1. Annual vaccination
2. Take vitamin C daily.
3. Weekly lab testing
4. Annual physical examination

Answer: <https://biology-forums.com/index.php?topic=849774>

### Question 137

Which disorders can cause an extra beat that often originates from a source other than the SA node? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Ventricular fibrillation
2. Premature ventricular contraction
3. Premature atrial contraction
4. Atrial fibrillation
5. Cardiogenic shock

Answer: <https://biology-forums.com/index.php?topic=849570>

### Question 138

What are the most common, debilitating, and progressive neurologic disorders? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Parkinson's disease
2. Alzheimer's disease
3. Psychosis
4. Multiple sclerosis
5. Bipolar disorder

Answer: <https://biology-forums.com/index.php?topic=849329>

### Question 139

Required daily amounts of the major minerals are 20 mg or less.

Answer: <https://biology-forums.com/index.php?topic=850057>

### Question 140

A patient has been diagnosed with tuberculosis. How long does the pharmacist anticipate this patient will require treatment?

1. 2-4 weeks
2. 6-12 months
3. 3-6 months
4. 10-14 days

Answer: <https://biology-forums.com/index.php?topic=849757>

### Question 141

A patient is receiving tizanidine for treatment of muscle spasms. What should the pharmacist include in the medication teaching for this patient?

1. That this is a seizure medication
2. That tizanidine is used for diseases of the central nervous system
3. To take the medication on a scheduled basis
4. To exercise caution when operating machinery

Answer: <https://biology-forums.com/index.php?topic=850059>

### Question 142

The pharmacist is caring for a patient with a dysrhythmia. The pharmacist anticipates this patient may be placed on which classes of medications to treat dysrhythmias? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Sodium channel blockers
2. Potassium channel blockers
3. Magnesium channel blockers
4. Angiotensin channel blockers
5. Antihyperlipidemics

Answer: <https://biology-forums.com/index.php?topic=849585>

### Question 143

The therapeutic effect of thrombolytics is greater when they are administered as soon as possible after clot formation occurs, preferably within 48 hours.

Answer: <https://biology-forums.com/index.php?topic=849494>

### Question 144

A female patient has been prescribed risperidone. The physician monitors the patient for increased prolactin levels. The pharmacist anticipates which symptoms to be present in a female patient with increased prolactin levels? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Menstrual disorders
2. Decreased libido
3. Sense of euphoria
4. Osteoporosis
5. Facial hair

Answer: <https://biology-forums.com/index.php?topic=849321>

### Question 145

Which medications are used to treat rheumatoid arthritis? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect

choices are selected.

1. Rituxamab
2. Leflunomide
3. Sulfasalazine
4. Tizanidine
5. Ibuprofen

Answer: <https://biology-forums.com/index.php?topic=850093>

### Question 146

A patient has been diagnosed with allergic rhinitis. Which symptoms would the pharmacist expect to observe? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Nasal congestion
2. Wheezing
3. Watery eyes
4. Sneezing
5. Urticaria

Answer: <https://biology-forums.com/index.php?topic=849850>

### Question 147

The pharmacist is preparing to discharge a patient who is on multiple medications. The patient asks the pharmacist, "Which medication is a loop diuretic?" What is the best response by the pharmacist?

1. Spironolactone
2. Hydrochlorothiazide
3. Triamterene
4. Furosemide

Answer: <https://biology-forums.com/index.php?topic=849710>

### Question 148

The pharmacist is instructing the patient prescribed glipizide about possible side effects. Which side effects should be included in the patient teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Increased appetite
2. Nausea
3. Vomiting
4. Avoid prolonged exposure to the sun because glipizide causes photosensitivity.
5. Anorexia

Answer: <https://biology-forums.com/index.php?topic=850175>

### Question 149

Aspirin is derived from

1. The foxglove plant
2. The white willow tree bark
3. The cinchona tree
4. The coca leaf

Answer: <https://biology-forums.com/index.php?topic=848583>

### Question 150

What phrase best describes pharmacodynamics?

1. The potency of a drug
2. What the body does to a drug
3. How a drug exerts its effects
4. The efficacy of a drug

Answer: <https://biology-forums.com/index.php?topic=848999>

### Question 151

A patient complains of hypoglycemia, fatigue, hypotension, and GI disturbances such as anorexia, vomiting, and diarrhea. Which diagnosis does the pharmacist suspect based on these assessment findings?

1. Hypoglycemic reaction
2. Hypothyroidism
3. Addison's disease
4. Cushing's syndrome

Answer: <https://biology-forums.com/index.php?topic=850152>

### Question 152

The patient with digoxin toxicity might exhibit which symptoms? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Blurred vision
2. Tachycardia
3. Loss of appetite
4. Confusion
5. Bradycardia

Answer: <https://biology-forums.com/index.php?topic=849548>

### Question 153

Because it is not soluble in blood, very little cholesterol actually travels through the blood in its free form.

Answer: <https://biology-forums.com/index.php?topic=849664>

### Question 154

Lack of sufficient testosterone secretion by the testes can result in male hypogonadism, treatable with replacement testosterone.

Answer: <https://biology-forums.com/index.php?topic=850225>

### Question 155

Epinephrine is added to the anaesthetic solution to constrict the blood vessels in the immediate area in order to reduce bleeding in the area and increase the duration of action of the anesthetic.

Answer: <https://biology-forums.com/index.php?topic=849460>

### Question 156

A patient has been prescribed furosemide for heart failure. What does the pharmacist know about furosemide in regards to its choice of treatment?

1. It is a first-choice pharmacotherapy.
2. It is a second-choice pharmacotherapy.
3. It is a third-choice pharmacotherapy.
4. It is a fourth-choice pharmacotherapy.

Answer: <https://biology-forums.com/index.php?topic=849540>

### Question 157

Hydrocortisone has been prescribed for a patient. Which diagnoses does the pharmacist anticipate could be made based on this prescribed medication? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Adrenocortical insufficiency
2. Intra-articular injections
3. Inflammation
4. Allergic disorders
5. Type I diabetes

Answer: <https://biology-forums.com/index.php?topic=850156>

### Question 158

The pharmacist is reviewing methotrexate. Which types of tumors or cancers is this medication an effective part of the treatment regimen? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Bone cancers
2. Head and neck cancers
3. Benign
4. Lung carcinoma
5. Breast cancer

Answer: <https://biology-forums.com/index.php?topic=849825>

### Question 159

A patient asks the pharmacist to explain how a normal heart works. Which statement by the pharmacist should be included in patient teaching?

1. The electrical impulse causes the ventricles to contract, and then the atria contract.
2. A normal resting heart rate is 50 beats per minute.
3. For the heart to function properly, the atria must contract simultaneously, sending their blood into the ventricles.
4. The heart generates electrical impulses that start in the atrioventricular node.

Answer: <https://biology-forums.com/index.php?topic=849568>

### Question 160

The pharmacist is presenting education regarding the use of diuretics. What conditions should the pharmacist include in the educational session regarding the use of diuretics? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Pulmonary edema
2. Heart failure
3. Hypertension
4. Hypotension
5. Dependent edema

Answer: <https://biology-forums.com/index.php?topic=849723>

### Question 161

The pharmacist is caring for a patient with open-angle glaucoma. What are characteristics of this disorder the pharmacist must be aware of when providing care? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Is caused by impact injury.
2. It is the most common type of glaucoma.
3. Intraocular pressure develops slowly.
4. The iris does not cover trabecular meshwork.
5. Intraocular pressure develops quickly.

Answer: <https://biology-forums.com/index.php?topic=849909>

### Question 162

A patient asks the pharmacist what the goal of treatment for allergic rhinitis is. Which response by the pharmacist is the most appropriate?

1. "Relief of symptoms and suppression of immune system."
2. "Prevention of occurrence and increase of symptoms."
3. "Prevention of occurrence and relief of symptoms."
4. "Suppression of cough and immune system."

Answer: <https://biology-forums.com/index.php?topic=849855>

### Question 163

The pharmacy technician is educating a group of patients on how high cholesterol leads to heart disease. Which explanation regarding high cholesterol is most appropriate?

1. It interferes with the conduction system of the heart.
2. It binds to vessel walls, decreasing the amount of blood getting to the heart.
3. It thickens the blood, causing clots.
4. It damages the heart muscle.

Answer: <https://biology-forums.com/index.php?topic=849638>

### Question 164

Unstable angina requires more aggressive medical intervention as it is associated with an increased risk of stroke.

Answer: <https://biology-forums.com/index.php?topic=849631>

### Question 165

Which factor would cause quicker absorption?

1. Solid form versus liquid form
2. Able to mix with water
3. Product is warm versus cold
4. Large particle size

Answer: <https://biology-forums.com/index.php?topic=848907>

### Question 166

A patient has been prescribed an ACE inhibitor to treat heart failure. Which medication is an ACE inhibitor?

1. Furosemide
2. Hydrochlorothiazide
3. Candesartan
4. Quinapril

Answer: <https://biology-forums.com/index.php?topic=849544>

### Question 167

Pharmaceutics is the science of pharmacy, which involves dispensing a drug to a patient after he or she has been examined by a licensed prescriber.  
Answer: <https://biology-forums.com/index.php?topic=848729>

### Question 168

Which side effects limit the usefulness of anticholinergic agents? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Urinary retention
2. Hypotension
3. Increased salivation
4. Tachycardia
5. Bradycardia

Answer: <https://biology-forums.com/index.php?topic=849244>

### Question 169

The pharmacist is caring for a patient who has not responded well to other treatments for heart failure. Which drug class is used for 2–3 days when other drugs have failed?

1. Beta-adrenergic blockers
2. Phosphodiesterase inhibitors
3. Angiotensin-receptor blockers
4. Cardiac glycosides

Answer: <https://biology-forums.com/index.php?topic=849558>

### Question 170

The pharmacist is taking a health history from a postmenopausal patient. What is a potential consequence of estrogen loss for this patient?

1. Stress incontinence
2. Insomnia
3. Colon cancer
4. Vaginal atrophy

Answer: <https://biology-forums.com/index.php?topic=850196>

### Question 171

The chemical mediators of inflammation are released from the mast cell when it ruptures as part of the inflammatory response.

Answer: <https://biology-forums.com/index.php?topic=849431>

### Question 172

A patient with scabies has been prescribed a medication that should be rinsed from the body within 10 minutes after being applied. What medication does the pharmacist anticipate has been prescribed for this patient?

1. Pyrethrin
2. Malathion
3. Crotamiton
4. Permethrin

Answer: <https://biology-forums.com/index.php?topic=850129>

### Question 173

The choice of drug for epilepsy pharmacology is determined upon assessment of the patient. Once a medication is selected, what type of dose is the patient placed on?

1. Bolus dose
2. Life dose
3. Maximum dose
4. Low initial dose

Answer: <https://biology-forums.com/index.php?topic=849366>

### Question 174

The patient asks the pharmacist how bacteria become resistant to antibiotics. What should the pharmacist include in the response? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. The longer an antibiotic is used in the population and the more often it is prescribed, the higher will be the percentage of resistant strains.
2. Prematurely stopping antibiotic therapy allows some pathogens to survive and become resistant to antibiotics.

3. Bacteria reproduce quickly, and can have a variation in the genetic code that allows them to become resistant.
4. Frequent handwashing by health care providers encourages the spread of bacteria to many patients receiving antibiotics in the hospital.
5. Organisms do not grow resistant to medications.

Answer: <https://biology-forums.com/index.php?topic=849738>

### Question 175

The pharmacist is providing care to a patient who is undernourished. What assessment finding does the pharmacist anticipate for this patient?

1. Chronic inflammatory bowel disease
2. Eating disorders
3. History of HIV/AIDS
4. Loss of subcutaneous fat

Answer: <https://biology-forums.com/index.php?topic=850050>

### Question 176

More side effects are observed when estrogens are used to treat certain cancers. Which conclusion by the pharmacist is most correct?

1. In this case, estrogens are used for short term.
2. Side effect risk increases due to chronic disease present.
3. Symptoms of cancer mimic estrogen use.
4. Higher doses are used, so more side effects are observed.

Answer: <https://biology-forums.com/index.php?topic=850199>

### Question 177

The pharmacist is planning to teach a group of pharmacology students about enterohepatic recirculation. What should the educator include in the presentation?

1. Enterohepatic recirculation involves the kidneys.
2. Enterohepatic recirculation results in prolonged drug action.
3. Enterohepatic recirculation results in a decreased drug action.
4. Enterohepatic recirculation does not affect drug action.

Answer: <https://biology-forums.com/index.php?topic=848947>

### Question 178

The pharmacist explains to the patient prescribed orlistat that the drug works in what way?

1. "It speeds up your metabolism."
2. "Orlistat blocks the enzyme lipase in the GI tract, which blocks the absorption of fats."
3. "It causes nausea so you will eat less."
4. "It suppresses appetite, probably by affecting the hunger center in the brain."

Answer: <https://biology-forums.com/index.php?topic=849959>

### Question 179

Following dispensing of a drug to a patient, who has the greatest responsibility for monitoring the patient for adverse reactions?

1. The pharmacist.
2. The physician.
3. The family of the patient.
4. The physical therapist.

Answer: <https://biology-forums.com/index.php?topic=848820>

### Question 180

The name of the national exam you must pass to become a registered pharmacy technician is called

1. The PEBC Evaluating Exam
2. The Jurisprudence Exam
3. The PEBC Qualifying Exam
4. The Canadian Pharmacy Technician Board Exam

Answer: <https://biology-forums.com/index.php?topic=848708>

### Question 181

A patient takes two medications at the same time. Why might the action of one drug be intensified when this occurs?

1. Neither drug will bind to any plasma protein receptors, and the effect of the more potent drug will be intensified.
2. A patient must never take two medications at the same time.
3. The drugs bind together, and the effect of the more potent drug is intensified.
4. Both drugs compete for the plasma protein receptors, and one drug will displace the other.



Answer: <https://biology-forums.com/index.php?topic=848912>

### Question 182

Which medications are used to treat muscle spasms? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Centrally acting skeletal muscle relaxants
2. Analgesics
3. Anti-inflammatory agents
4. Immune system-modulating drugs
5. Antipyretic drugs

Answer: <https://biology-forums.com/index.php?topic=850098>

### Question 183

Zidovudine has been prescribed to a patient with HIV. The patient asks why it is given in combination with other medications to treat HIV. What should the pharmacist include in the teaching session for this patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. The combination will cure HIV.
2. The combination allows HIV to be attacked by several different mechanisms.
3. Strains of HIV resistant to zidovudine are common.
4. The combination slows the development of resistance.
5. The combination is more cost effective.

Answer: <https://biology-forums.com/index.php?topic=849784>

### Question 184

A patient on the unit is experiencing tonic-clonic seizures. What drug does the pharmacist anticipate for this patient because it is considered the drug of choice for this type of seizure?

1. Carbamazepine
2. Valproic acid
3. Lamotrigine
4. Phenytoin

Answer: <https://biology-forums.com/index.php?topic=849362>

### Question 185

The RAA system is an important for blood pressure regulation in the body.

Answer: <https://biology-forums.com/index.php?topic=849530>

### Question 186

Keeping blood pressure and blood glucose within the normal ranges helps to manage angina.

Answer: <https://biology-forums.com/index.php?topic=849632>

### Question 187

The alimentary canal, or GI tract, is a long, continuous, hollow tube that extends from the mouth to the duodenum.

Answer: <https://biology-forums.com/index.php?topic=849984>

### Question 188

A patient is admitted to the hospital for alcohol intoxication. Which symptoms of alcohol abuse does the pharmacy technician anticipate?

1. Excessive sweating, restlessness, dilated pupils, agitation, goose bumps, tremor, decreased heart rate and blood pressure, nausea and vomiting, and abdominal cramps
2. Tremors, fatigue, anxiety, abdominal cramping, hallucinations, confusion, seizures, and delirium
3. Mental depression, anxiety, extreme fatigue, and hunger
4. Rarely observed

Answer: <https://biology-forums.com/index.php?topic=849095>

### Question 189

A female patient has been prescribed norethindrone as an oral contraceptive. What is the best explanation by the pharmacist in terms of how this medication is used to prevent pregnancy?

1. It produces a thick, viscous mucus at the entrance to the uterus that prevents penetration by sperm.
2. It terminates pregnancy.
3. It increases ovulation.

4. It prevents ovulation.

Answer: <https://biology-forums.com/index.php?topic=850214>

### Question 190

A patient diagnosed with Parkinson's disease has been prescribed carbidopa/levodopa. Which data indicates the medication has been effective?

1. The patient has muscle rigidity.
2. The patient has bradykinesia.
3. The patient is able to walk upright without stumbling.
4. The patient has tremors.

Answer: <https://biology-forums.com/index.php?topic=849337>

### Question 191

The pharmacist is caring for a patient who experiences nausea and vomiting with each treatment of chemotherapy. What should the pharmacist advise the patient to do to decrease nausea and vomiting?

1. Do not eat for 12 hours before treatment.
2. Increase food intake.
3. Take antiemetic medications prior to treatment.
4. Decrease water intake.

Answer: <https://biology-forums.com/index.php?topic=849823>

### Question 192

The pharmacist explains to the patient the different ways to administer inhalation medications. Which administration technique should not be included in the teaching session?

1. Dry powder inhaler
2. Hypodermic syringe
3. Nebulizer
4. Metered dose inhaler

Answer: <https://biology-forums.com/index.php?topic=849848>

### Question 193

Typical warning signs of substance abuse in health care providers include? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Overworking
2. Wanting to be with others
3. Stable mood
4. Frequent absences

Answer: <https://biology-forums.com/index.php?topic=849137>

### Question 194

Vitamin K is given to reverse the effects of which medication?

1. Warfarin
2. Acetaminophen
3. Enoxaparin
4. Aspirin

Answer: <https://biology-forums.com/index.php?topic=850031>

### Question 195

While providing comfort to a patient on anticholinergics, what intervention should the pharmacist avoid?

1. Frequent oral hygiene
2. Hard candy
3. Oral rinses
4. Alcohol-containing mouthwash

Answer: <https://biology-forums.com/index.php?topic=849239>

### Question 196

A patient is being discharged home with a prescription for chlorpromazine. What should the pharmacist instruct this patient to avoid?

1. Increased fiber intake
2. Chewing gum
3. Caffeine
4. Increased fluids

Answer: <https://biology-forums.com/index.php?topic=849325>

### Question 197

What are the treatment goals for pharmacotherapy of PUD? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. To provide immediate relief from symptoms
2. To promote healing of the ulcer
3. To increase appetite
4. To prevent recurrence of the disease.

Answer: <https://biology-forums.com/index.php?topic=849947>

### Question 198

Which type of medication does the pharmacy technician anticipate for a patient who has been diagnosed with Alzheimer's disease?

1. Beta blockers
2. Acetylcholinesterase inhibitors
3. Cholinergic blockers
4. Dopaminergic agents

Answer: <https://biology-forums.com/index.php?topic=849336>

### Question 199

The brand name is usually written in lowercase, whereas the generic name is capitalized.

Answer: <https://biology-forums.com/index.php?topic=848802>

### Question 200

Butorphanol is an example of a pure opioid antagonist used to reverse the effects of opioid overdose.

Answer: <https://biology-forums.com/index.php?topic=849428>

### Question 201

A patient asks the pharmacy technician what the two most commonly abused drugs are. Which response by the technician is the most appropriate?

1. "LSD and marijuana."
2. "Alcohol and nicotine."
3. "Marijuana and nicotine."
4. "Alcohol and marijuana."

Answer: <https://biology-forums.com/index.php?topic=849091>

### Question 202

If AChE is inhibited, ACh is not broken down as quickly and produces a more dramatic effect.

Answer: <https://biology-forums.com/index.php?topic=849354>

### Question 203

What would the pharmacist teach a client to avoid when taking barbiturates?

1. Bananas
2. Alcohol
3. Caffeine
4. Nicotine

Answer: <https://biology-forums.com/index.php?topic=849270>

### Question 204

The patient has a medical diagnosis of schizophrenia, and receives aripiprazole. What is the primary expected patient outcome related to dopamine reduction?

1. Patient will have reduced psychotic behavior.
2. Patient will have improved sleep patterns.
3. Patient will decrease anxiety.
4. Patient will improve social relationships.

Answer: <https://biology-forums.com/index.php?topic=849324>

### Question 205

A patient is admitted to a medical-surgical unit with acidosis. During treatment, the patient develops confusion, irritability, slow respiration rate, and vomiting. What does the pharmacist attribute these symptoms to?

1. Increased blood pressure
2. Overtreatment of acidosis
3. Worsening of acidosis
4. Expected response to treatment

Answer: <https://biology-forums.com/index.php?topic=849725>

### Question 206

Which items are known causative factors for seizures? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Meningitis
2. Ingestion of poison
3. Hypertension
4. Hypoglycemia
5. Depression

Answer: <https://biology-forums.com/index.php?topic=849357>

### Question 207

The pharmacist is treating a patient who has been diagnosed with shock. What is the first step in treating this patient?

1. Medications to counteract the sequelae
2. Basic life support
3. Blood and/or blood products
4. Fluid replacement

Answer: <https://biology-forums.com/index.php?topic=849677>

### Question 208

The patient with a headache rates the pain at a 3 on a 1–10 scale. Which medication would the pharmacist expect to be prescribed?

1. Sumatriptan, subcutaneous
2. Dihydroergotamine intranasally
3. Butorphanol IM
4. Ibuprofen p.o.

Answer: <https://biology-forums.com/index.php?topic=849412>

### Question 209

Heparin works on thrombin while warfarin works on prothrombin formation, which is why warfarin works immediately.

Answer: <https://biology-forums.com/index.php?topic=849492>

### Question 210

The patient asks the pharmacy technician what the medical term for a slow heart rate is. Which response by the pharmacy technician is the most appropriate?

1. "Atrial fibrillation."
2. "Bradycardia."
3. "Premature ventricular contraction."
4. "Tachycardia."

Answer: <https://biology-forums.com/index.php?topic=849571>

### Question 211

A pharmacy technician suspects that her co-worker is experiencing substance abuse. Which symptom would indicate abuse from an opioid?

1. Feeling cold
2. Dilated pupils
3. Decreased heart rate
4. Weight gain

Answer: <https://biology-forums.com/index.php?topic=849135>

### Question 212

The pharmacist is providing a patient with education about major minerals. Which minerals should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Calcium
2. Iron
3. Fluoride
4. Chloride

5. Potassium

Answer: <https://biology-forums.com/index.php?topic=850044>

### Question 213

The pharmacy technician instructs a patient on non-pharmacologic therapies for pain management. Which techniques should be included in this teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Reiki
2. Heat or cold packs
3. Massage
4. Anti-inflammatory drugs
5. Opioid drugs

Answer: <https://biology-forums.com/index.php?topic=849392>

### Question 214

The virus that causes AIDS does not cause death but makes the host too weak to fight off infection.

Answer: <https://biology-forums.com/index.php?topic=849800>

### Question 215

Opioids interact with at least six types of receptors: mu (types one and two), kappa, sigma, delta, and epsilon but from the perspective of pain management, the mu and delta receptors are the most important.

Answer: <https://biology-forums.com/index.php?topic=849427>

### Question 216

Emphysema is reversible.

Answer: <https://biology-forums.com/index.php?topic=849870>

### Question 217

In older patients, drugs metabolism differs from a middle aged adult due:

1. The increased number of enzymes the older patient has
2. The decreased function of the enzymes in the older patient
3. Lack of disease processes occurring in the older patient
4. The increased number of medications the middle aged patient is taking versus the older patient

Answer: <https://biology-forums.com/index.php?topic=848933>

### Question 218

A low level of potassium in the blood is called:

1. Hypernatremia
2. Hyperkalemia
3. Hypokalemia
4. Hyponatremia

Answer: <https://biology-forums.com/index.php?topic=849705>

### Question 219

A child has been ordered the most commonly prescribed medication for ADHD. What medication does the pharmacy technician expect?

1. Clonidine
2. Methamphetamine
3. Methylphenidate
4. Paroxetine

Answer: <https://biology-forums.com/index.php?topic=849302>

### Question 220

A patient presents in the Emergency Department with hallucinations, anxiety, and confusion. The patient denies taking any illegal drugs in the past 48 hours. The pharmacist is aware that these symptoms can occur from which type of drug?

1. Hallucinogens
2. Barbiturates
3. Cannabinoids
4. Opioids

Answer: <https://biology-forums.com/index.php?topic=849119>

### Question 221

The patient is being admitted to the labor and delivery unit. The patient informs the nurse she has had high blood pressure since week 32 of this pregnancy. Upon assessment, the nurse finds edema. The patient relates that she has an occasional headache. Before the nurse leaves the room, the patient begins to have a seizure. What pregnancy disorder is this patient experiencing?

1. HELLP
2. Pre-eclampsia
3. Eclampsia
4. Post-eclampsia

Answer: <https://biology-forums.com/index.php?topic=849358>

### Question 222

A patient is taking colchicine for gouty arthritis and furosemide (Lasix) for treatment of congestive heart failure. What should the pharmacist include in the medication teaching for this patient regarding adverse reactions?

1. GI upset is common, and could be intensified.
2. The patient should be monitored for signs of bleeding.
3. Skin rashes are common.
4. The patient should call the physician if there is no improvement in gout symptoms.

Answer: <https://biology-forums.com/index.php?topic=850080>

### Question 223

A patient is in preterm labor. Which medication does the pharmacist anticipate will be prescribed to slow uterine contractions?

1. Oxytocin
2. Dinoprostone
3. Nifedipine
4. Misoprostol

Answer: <https://biology-forums.com/index.php?topic=850202>

### Question 224

Neomycin and hydrocortisone may be used in combination to treat ear infections. What is the combined effect of these medications?

1. Antipyretic and antifungal
2. Anti-inflammatory and antibiotic therapy
3. Antibiotic therapy with an analgesic
4. Antibiotic and prophylactic therapy

Answer: <https://biology-forums.com/index.php?topic=849928>

### Question 225

In addition to physicians, which health care providers are able to prescribe medications? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Pharmacists
2. Nurse Practitioners
3. Dentists
4. Paramedics
5. Registered nurses

Answer: <https://biology-forums.com/index.php?topic=848586>

### Question 226

This is an easy-to-use resource, which gives health care professionals key drug and clinical information to support everyday tasks in the pharmacy:

1. Pharmacy Times
2. Drug Facts and Comparisons
3. Merck Manual
4. Remington's Pharmaceutical Sciences

Answer: <https://biology-forums.com/index.php?topic=849191>

### Question 227

"Unwrap and insert" are typically added to suppository directions.

Answer: <https://biology-forums.com/index.php?topic=848885>

### Question 228

Nicotinic-blocking drugs interfere with the binding of acetylcholine, thereby preventing voluntary muscle contraction.

Answer: <https://biology-forums.com/index.php?topic=850103>

### Question 229

The pharmacist is caring for a patient who has been diagnosed with a virus. The patient states that the healthcare provider referred to the illness by a different name. What term does the pharmacist anticipate that the healthcare provider used?

1. Intracellular parasites
2. Fungi
3. Capsid
4. Symbiotic

Answer: <https://biology-forums.com/index.php?topic=849772>

### Question 230

The dose that is routinely given to maintain the concentration of the drug once the therapeutic level is reached is called:

1. The effective dose
2. The maintenance dose
3. The loading dose
4. The standing order

Answer: <https://biology-forums.com/index.php?topic=848965>

### Question 231

A pharmacy technician instructor is teaching fundamental pharmacological content. In helping the students become comfortable with this material, what should the instructor suggest that the student focus on initially?

1. The prototype
2. The generic names
3. The trade names
4. The adverse effects

Answer: <https://biology-forums.com/index.php?topic=848753>

### Question 232

Cardiac pacemakers are sometimes inserted to correct tachycardia.

Answer: <https://biology-forums.com/index.php?topic=849598>

### Question 233

Most of the water in the filtrate is excreted.

Answer: <https://biology-forums.com/index.php?topic=849726>

### Question 234

Too much clotting can be just as deadly as too little.

Answer: <https://biology-forums.com/index.php?topic=849489>

### Question 235

The benefits of the MMTP would include? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Reduced injection drug use
2. Increased transmission of STIs & HIV
3. Increased criminal activity
4. Decreased opioid overdose

Answer: <https://biology-forums.com/index.php?topic=849145>

### Question 236

The pharmacy technician is discussing the advantages over-the-counter (OTC) medications with a patient. Which statements are disadvantages of OTC drugs versus prescription drugs? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. OTC drugs can react with foods, herbal products, and prescriptions, or with other OTC drugs.
2. A patient can obtain OTC drugs more easily than prescription drugs.
3. Self-treatment is sometimes ineffective.
4. Choosing the proper medication for a specific problem can be challenging.
5. OTC drugs are more expensive than prescription drugs.

Answer: <https://biology-forums.com/index.php?topic=848749>

### Question 237

The nurse is providing care to a patient who is experiencing symptoms of life-threatening shock. Which drug does the nurse anticipate to administer to this patient?

1. Corticosteroids
2. Epinephrine
3. Antihistamines
4. Oxygen

Answer: <https://biology-forums.com/index.php?topic=849686>

### Question 238

The pharmacist is caring for a patient who has been diagnosed with migraine headaches that occur every 2–3 days and placed on preventive therapy with the beta blocker propranolol. Which data indicates the medication is effective?

1. The patient supplemented propranolol with sumatriptan four times.
2. The patient has had 3 migraines this week.
3. The patient had only one headache in the past week.
4. The patient has developed orthostatic hypotension.

Answer: <https://biology-forums.com/index.php?topic=849408>

### Question 239

The patient is being discharged with nitroglycerin. What should the pharmacist include in the patient education?

1. "Your chest pain should go away with one tablet."
2. "If your chest pain doesn't go away after three tablets, call 911; you might be having a heart attack."
3. "If your chest pain doesn't go away with one tablet, you can repeat the dose as many times as you need to."
4. "Be sure to call 911 before you take any tablets."

Answer: <https://biology-forums.com/index.php?topic=849618>

### Question 240

The flow of the electrical impulse through a normal functioning heart is in this order:

1. AV node to SA node to Bundle of His to Purkinje fibers
2. AV node to SA node to Bundle of His to Right and Left Branches to Purkinje fibers
3. SA node to AV node to Bundle of His to Purkinje fibers to Right and Left Branches
4. SA node to AV node to Bundle of His to Right and Left Branches to Purkinje fibers

Answer: <https://biology-forums.com/index.php?topic=849569>

### Question 241

Which medications are second-choice pharmacotherapy for heart failure? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Beta-adrenergic blockers
2. Phosphodiesterase inhibitors
3. Diuretics
4. ACE inhibitors
5. Alpha blockers

Answer: <https://biology-forums.com/index.php?topic=849539>

### Question 242

The pharmacist is caring for a patient who has experienced a fetal demise. Which medication does the pharmacist anticipate will be prescribed for this patient to expel the fetus?

1. Dinoprostone
2. Misoprostol
3. Nifedipine
4. Oxytocin

Answer: <https://biology-forums.com/index.php?topic=850203>

### Question 243

A patient has been prescribed potassium chloride twice daily. What should the pharmacist teach the patient regarding this medication? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Potassium chloride is discontinued immediately if hyperkalemia is suspected.
2. This medication is used to prevent high blood phosphate levels in patients who are on dialysis.
3. This medication is used for the treatment of metabolic acidosis.



4. Electrolyte levels should be frequently assessed.
5. This medication is used to treat hyperglycemia.

Answer: <https://biology-forums.com/index.php?topic=850033>

### Question 244

Dantrolene relieves spasticity by interfering with the release of sodium ions in skeletal muscle.

Answer: <https://biology-forums.com/index.php?topic=850104>

### Question 245

The pharmacist asks a group of students what occurs when sensation is lost to a limited part of the body without loss of consciousness. Which answer by the student is correct?

1. General anesthesia
2. Surgical anesthesia
3. Local anesthesia
4. Total anesthesia

Answer: <https://biology-forums.com/index.php?topic=849439>

### Question 246

A patient diagnosed with osteoarthritis asks the pharmacist what different types of treatment are available. Which treatments will the pharmacist include in the response? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Immunosuppressants
2. Intra-articular glucocorticoids
3. Topical medications
4. NSAIDs
5. Hypoglycemic agents

Answer: <https://biology-forums.com/index.php?topic=850088>

### Question 247

The pharmacist teaches the patient prescribed a first-generation antihistamine to avoid alcohol and other CNS depressants. What is the rationale for this particular teaching topic?

1. The antihistamine will not work if combined with alcohol or a CNS depressant.
2. The sedating effects will be increased.
3. This combination will cause insomnia.
4. Anaphylaxis is more likely when antihistamines are taken with alcohol.

Answer: <https://biology-forums.com/index.php?topic=849866>

### Question 248

Which instruction is most appropriate for a patient who is prescribed pancrelipase?

1. Increase dosing with a large meal.
2. Decrease fluid intake.
3. Take the medication at least 2 hours prior to meals.
4. Take the medication with meals.

Answer: <https://biology-forums.com/index.php?topic=849971>

### Question 249

A patient who has a history of angina and hypertension now complains of fatigue, shortness of breath, and cough. Based on this assessment finding, what does the pharmacist suspect that the patient might be developing?

1. Peripheral edema
2. Left-sided heart failure
3. Hypokalemia
4. Right-sided heart failure

Answer: <https://biology-forums.com/index.php?topic=849536>

### Question 250

A patient has been prescribed carvedilol to treat heart failure. Which statements are true regarding carvedilol and treatment for heart failure? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Carvedilol should not be used to treat heart failure.
2. Carvedilol has the potential to worsen heart failure.
3. Carvedilol is always used in combination with other agents, usually ACE inhibitors.
4. Carvedilol is a first-line drug for treating heart failure.

5. Carvedilol should never be used with other medications when treating heart failure.

Answer: <https://biology-forums.com/index.php?topic=849549>

### Question 251

The pharmacist is seeing a patient recently admitted to the floor with a diagnosis of migraine headache. The patient relates she has had this type of headache for 12 years. On admission, the patient states the headaches are coming more frequently, which has forced her to quit her job. What type of pain is this patient experiencing?

1. Surgical pain
2. Chronic pain
3. Neuropathic pain
4. Acute pain

Answer: <https://biology-forums.com/index.php?topic=849385>

### Question 252

The patient asks which type of medications will be given for severe pain. Which response by the pharmacist is most appropriate?

1. Acetaminophen
2. Opioids
3. NSAIDs
4. Beta blockers

Answer: <https://biology-forums.com/index.php?topic=849395>

### Question 253

The physician is providing care to a patient who is experiencing an allergic reaction. What initial, usual responses of the body to an antigen does the physician anticipate? (Select all that apply.)

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Swelling of the larynx
2. Itching with development of hives
3. Release of histamine and mast cells
4. Inflammation production
5. Antibody production

Answer: <https://biology-forums.com/index.php?topic=849674>

### Question 254

Another term for metabolism is:

1. Diffusion
2. Biotransformation
3. Distribution
4. Elimination

Answer: <https://biology-forums.com/index.php?topic=848921>

### Question 255

Which is true of type 2 diabetes mellitus? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Insulin resistance develops
2. Target cells become unresponsive to insulin.
3. The pancreas produces sufficient amounts of insulin.
4. The pancreas does not produce insulin.

Answer: <https://biology-forums.com/index.php?topic=850172>

### Question 256

Some medications do not kill the bacteria but instead slow their growth, allowing the body's natural defences to eliminate the microorganisms. These medications would be:

1. Bacteriocidal
2. Bacteriostatic
3. Resistant
4. Superinfections

Answer: <https://biology-forums.com/index.php?topic=849737>

### Question 257

Which statement made by a patient who smokes marijuana is not true?

1. "Marijuana makes me hungry."
2. "Marijuana does not increase the risk for lung cancer."
3. "Marijuana makes me paranoid."
4. "Marijuana makes me thirsty."

Answer: <https://biology-forums.com/index.php?topic=849115>

### Question 258

A patient with herpes lesions on the face asks the pharmacist which medication has been prescribed. Because a topical cream has been ordered, what is the best response by the pharmacist?

1. Docosanol
2. Cidofovir
3. Famciclovir
4. Acyclovir

Answer: <https://biology-forums.com/index.php?topic=849786>

### Question 259

The nurse is preparing to administer a crystalloid IV to a patient. Which IV fluid is a crystalloid?

1. Dextran
2. Fresh frozen plasma
3. Hetastarch (Hespan)
4. Lactated Ringer's

Answer: <https://biology-forums.com/index.php?topic=849680>

### Question 260

The patient wants to know why the physician prescribed an inhaled form of a beta-adrenergic stimulator instead of an oral form. What is the best response by the pharmacist?

1. It produces fewer side effects.
2. It causes bronchodilation.
3. It works quickly to decrease inflammation.
4. It produces little systemic toxicity.

Answer: <https://biology-forums.com/index.php?topic=849856>

### Question 261

A patient complains of gingival hypertrophy and weight loss. The pharmacist knows that this patient has a history of petit mal seizures. What drug is most likely responsible for the patient's pathophysiological process?

1. Phenytoin
2. Ethosuximide
3. Lamotrigine
4. Gabapentin

Answer: <https://biology-forums.com/index.php?topic=849368>

### Question 262

A patient has been prescribed a beta blocker for a dysrhythmia. Which side effects could be related to the beta blocker therapy? (Select all that apply.)

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hypertension
2. Hypotension
3. Tachycardia
4. Bradycardia
5. Hyperkalemia

Answer: <https://biology-forums.com/index.php?topic=849586>

### Question 263

A patient asks the pharmacist what the most commonly used OTC antitussive is. Which response by the pharmacist is most appropriate?

1. "Dextromethorphan"
2. "Guaifenesin"
3. "Salbutamol"
4. "Acetylcysteine"

Answer: <https://biology-forums.com/index.php?topic=849861>

### Question 264

A patient taking nitroglycerin complains of a headache. Which conclusion is most appropriate by the pharmacist?

1. A headache indicates a serious allergic reaction to nitroglycerin.
2. The patient will not have a headache if the nitroglycerin is taken with a high-fat meal.
3. Nitroglycerin does not cause headache.
4. The most common side effect of nitroglycerin is headache.

Answer: <https://biology-forums.com/index.php?topic=849614>

### Question 265

A patient has been prescribed an anticoagulant, and asks the pharmacist to explain why this medication has been prescribed. Which response by the pharmacist is the most appropriate?

1. "These medications are used to prevent the formation of clots."
2. "These medications inhibit the normal removal of fibrin, thus keeping the clot in place for a longer period of time."
3. "These medications are used to dissolve such life-threatening clots."
4. "These medications are used to prevent clot formation in arteries."

Answer: <https://biology-forums.com/index.php?topic=849472>

### Question 266

The pharmacist is caring for a patient with a bacterial infection. The pharmacist is explaining this type of infection to the family. The pharmacist states that bacteria are described and classified by which methods? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Ability to use O<sub>2</sub>
2. Staining
3. Shape
4. Color
5. Weight

Answer: <https://biology-forums.com/index.php?topic=849734>

### Question 267

The autonomic nervous system consists of which two subsystems? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Somatic nervous system
2. Parasympathetic nervous system
3. Peripheral nervous system
4. Sympathetic nervous system
5. Central nervous system

Answer: <https://biology-forums.com/index.php?topic=849218>

### Question 268

What happens to the body when corticosteroids are taken as medications for prolonged periods? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. The pituitary stops secreting ACTH and the adrenal cortex enlarges
2. The pituitary stops secreting ACTH and the adrenal cortex shrinks
3. The adrenal cortex secretes endogenous corticosteroids
4. The adrenal cortex stops secreting endogenous corticosteroids

Answer: <https://biology-forums.com/index.php?topic=850153>

### Question 269

The patient taking phenytoin asks the pharmacist what the side effects of the drug are. What should the pharmacist include in the response? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Bradycardia
2. Hyperglycemia
3. Stevens-Johnson syndrome
4. Hypoglycemia
5. Tachycardia

Answer: <https://biology-forums.com/index.php?topic=849373>

### Question 270

A pharmacist is caring for a patient who reports frequent insomnia. Based on the patient's assessment, what are the possible causes of insomnia? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Darkened room

2. Stress
3. Caffeine
4. Quiet sleeping area
5. Early morning exercise

Answer: <https://biology-forums.com/index.php?topic=849269>

### Question 271

An example of a thrombolytic agent would be:

1. Nitroglycerin
2. Streptokinase
3. Warfarin
4. Digoxin

Answer: <https://biology-forums.com/index.php?topic=849613>

### Question 272

Controlled drugs would include narcotics, such as morphine, controlled drugs, such as methylphenidate, and targeted products, such as diazepam.

Answer: <https://biology-forums.com/index.php?topic=848810>

### Question 273

Addiction is the progressive and chronic abuse of a substance despite serious health and social consequences.

Answer: <https://biology-forums.com/index.php?topic=849147>

### Question 274

Drug A produces a certain therapeutic effect at a dose of 5 mg/kg. Drug B produces the same magnitude of effect at a dose of 0.1 mg/kg. How would the pharmacy technician describe the action of Drug A when compared to Drug B?

1. Drug A is more efficacious.
2. Drug A is less efficacious.
3. Drug A is more potent.
4. Drug A is less potent.

Answer: <https://biology-forums.com/index.php?topic=849017>

### Question 275

A patient is prescribed multiple medications for hypertension. The patient asks the pharmacist which of the medications prescribed is a calcium channel blocker. Which response by the pharmacist is most appropriate?

1. Metoprolol
2. Ramipril
3. Furosemide
4. Amlodipine

Answer: <https://biology-forums.com/index.php?topic=849512>

### Question 276

This type of device delivers a fine powder to the lungs via inhalation:

1. Nebulizer
2. DPI
3. MDI
4. Nasal Spray

Answer: <https://biology-forums.com/index.php?topic=849849>

### Question 277

An example of antagonistic interaction would be a patient taking penicillin (a bactericidal antibiotic) and azithromycin (a bacteriostatic antibiotic) together, resulting in an increase of the blood levels of penicillin.

Answer: <https://biology-forums.com/index.php?topic=849055>

### Question 278

The pharmacist is caring for a patient receiving gentamicin IV. Which adverse effect would the pharmacist report to the physician immediately?

1. Nausea
2. Diarrhea
3. Ototoxicity
4. Increased urinary output

Answer: <https://biology-forums.com/index.php?topic=849749>

### Question 279

Type 2 diabetes is more common in patients who are overweight and those with low low-density lipoprotein (LDL) cholesterol and low triglyceride levels.

Answer: <https://biology-forums.com/index.php?topic=850188>

### Question 280

Drugs can be excreted from the body via sweat glands, mammary glands, bile, urine, and feces, and by respiration.

Answer: <https://biology-forums.com/index.php?topic=848987>

### Question 281

Anticholinergics cause dry mouth.

Answer: <https://biology-forums.com/index.php?topic=849256>

### Question 282

The pharmacist is caring for a patient who has been diagnosed with complex partial seizures. Which symptoms would the patient be likely to experience with a complex partial seizure?

(Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. The patient stumbles and falls for no apparent reason.
2. A period of brief confusion following the seizure
3. Seizure is preceded by an aura.
4. The patient experiences alternating contraction and relaxation of muscles.
5. A period of brief somnolence following the seizure

Answer: <https://biology-forums.com/index.php?topic=849359>

### Question 283

Mydriatic drugs are used to constrict the pupils.

Answer: <https://biology-forums.com/index.php?topic=849936>

### Question 284

PUD and GERD are commonly treated with antiemetics and laxatives.

Answer: <https://biology-forums.com/index.php?topic=849988>

### Question 285

What value will require periodic monitoring for the patient taking isotretinoin/13-cis-retinoic acid?

1. Blood pressure
2. Blood levels of vitamin A
3. Triglycerides
4. Heart rate

Answer: <https://biology-forums.com/index.php?topic=850131>

### Question 286

This degenerative disease is an autoimmune disease.

1. Alzheimer's
2. Parkinson's
3. Multiple Sclerosis
4. Psychoses

Answer: <https://biology-forums.com/index.php?topic=849330>

### Question 287

An interaction where diphenhydramine (Benadryl) for allergies is given with the anti-anxiety drug alprazolam (Xanax), causing excessive sedation and fatigue is called:

1. An antagonistic reaction
2. A synergistic reaction
3. A hostile reaction
4. An incompatible reaction

Answer: <https://biology-forums.com/index.php?topic=849021>

### Question 288

A patient has been started on oxytocin while in labor. Why is this medication being used for this patient?

1. To prevent uterine rupture
2. To increase the volume of milk production
3. To cause milk to be ejected from the mammary glands
4. To cause the uterus to contract

Answer: <https://biology-forums.com/index.php?topic=850201>

### Question 289

The pharmacist is teaching the patient about the long-term consequences of untreated hypertension. What should the pharmacist include in the teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Diabetes
2. Stroke
3. Heart failure
4. Myocardial infarction
5. Diabetes insipidus

Answer: <https://biology-forums.com/index.php?topic=849497>

### Question 290

The pharmacist is caring for a patient with delusions, hallucinations, paranoia, disorganized behavior, and difficulty relating to others. The pharmacist identifies these symptoms as indicative of which disorder?

1. ADHD
2. Psychosis
3. Bipolar disorder
4. Depression

Answer: <https://biology-forums.com/index.php?topic=849311>

### Question 291

Ototoxicity is a common side effect of erythromycin and clarithromycin.

Answer: <https://biology-forums.com/index.php?topic=849766>

### Question 292

Drugs for rhythm problems work by acting on sodium, potassium, and calcium ion channels.

Answer: <https://biology-forums.com/index.php?topic=849597>

### Question 293

A patient with a spinal cord injury is left with spasticity and dystonia. The pharmacist anticipates what treatment as most beneficial for this condition?

1. Physical therapy and medications
2. Hydrotherapy and massage
3. Physical therapy and surgery
4. Surgery and medications

Answer: <https://biology-forums.com/index.php?topic=850061>

### Question 294

Which non-pharmacological interventions would the pharmacist utilize in helping a patient with muscle spasms? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Application of heat or cold
2. Hydrotherapy
3. Massage
4. Manipulation
5. Liniments

Answer: <https://biology-forums.com/index.php?topic=850062>

### Question 295

A healthy patient asks the pharmacist what types of medications can be taken for the common cold. Which drug classes should the pharmacist include in patient education? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Antitussives
2. Mucolytics

3. Decongestants
4. Antihistamines
5. Antipyretics

Answer: <https://biology-forums.com/index.php?topic=849860>

### Question 296

Glaucoma is such a dreaded eye disease because it is a usually slowly progressive disease with no symptoms that could lead to blindness if left untreated.

Answer: <https://biology-forums.com/index.php?topic=849932>

### Question 297

A patient has ordered a thrombolytic for treatment of CVA. The pharmacist knows that which type of stroke should not be treated with a thrombolytic?

1. Hemorrhagic stroke
2. Thrombolytic stroke
3. Both types can be treated with a thrombolytic.
4. Neither type can be treated with a thrombolytic.

Answer: <https://biology-forums.com/index.php?topic=849612>

### Question 298

IV agents are usually administered first during general anesthesia because they act within a few seconds.

Answer: <https://biology-forums.com/index.php?topic=849462>

### Question 299

The patient is prescribed propranolol for migraine headache prophylaxis. The pharmacist prepares discharge instruction based on the fact that propranolol belongs to which class of medication?

1. Beta blocker
2. Calcium channel blocker
3. Ergot alkaloid
4. Triptan

Answer: <https://biology-forums.com/index.php?topic=849410>

### Question 300

Which medications are reserved for patients unable to tolerate the adverse effects of ACE inhibitors? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Enalapril
2. Valsartan
3. Lisinopril
4. Candesartan
5. Furosemide

Answer: <https://biology-forums.com/index.php?topic=849553>

### Question 301

Pharmacotherapy for muscle spasms may include combinations of anesthetics, anti-inflammatory drugs, and centrally acting skeletal muscle relaxants.

Answer: <https://biology-forums.com/index.php?topic=850101>

### Question 302

The nurse needs to monitor the patient's blood sugar after administration of regular insulin. When does the nurse expect assess the patient's blood sugar based on the peak action of the medication?

1. In 2–4 hours
2. In 15–30 minutes
3. In 1–2 hours
4. In 4–6 hours

Answer: <https://biology-forums.com/index.php?topic=850166>

### Question 303

The pharmacist is providing instructions to a patient being discharged on ciprofloxacin. What should be included in the teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. "Drink as much coffee as you would like."



2. "Do not take with antacids."
3. "You might have some dizziness."
4. "Do not take with mineral supplements."
5. "Take the medication with non-caffeine beverages."

Answer: <https://biology-forums.com/index.php?topic=849756>

### Question 304

What is a disadvantage of administering medication via the subcutaneous or intramuscular route?

1. This route allows medications to avoid digestive enzymes.
2. This route allows medications to avoid the first-pass effect in the liver.
3. This route allows only small volumes to be administered.
4. This route can be used in patients who are unable to take medications orally.

Answer: <https://biology-forums.com/index.php?topic=848854>

### Question 305

Which of the following is important for otic administration of medications in a child?

1. Carefully instill it to the conjunctival sac.
2. Keep the medication in the fridge prior to use.
3. Gently pull the pinna down and back.
4. Gently pull the pinna down and forward.

Answer: <https://biology-forums.com/index.php?topic=848864>

### Question 306

A patient complains of slowed body metabolism, slurred speech, bradycardia, weight gain, low body temperature, and intolerance to cold environments. What diagnosis does the pharmacist expect based on these assessment findings?

1. Type II diabetes
2. Type I diabetes
3. Hypothyroidism
4. Hyperthyroidism

Answer: <https://biology-forums.com/index.php?topic=850148>

### Question 307

The pharmacist is caring for a patient who is being discharged with a prescription for a tetracycline. Which statement, if made by the patient, would demonstrate an understanding of the discharge instructions?

1. "It is fine for me to become pregnant while taking this medication."
2. "I am so glad to be leaving today because I have an appointment at the tanning salon."
3. "I will need to postpone my vacation at the beach until I finish this medication."
4. "I will stop taking this medication as soon as I feel better."

Answer: <https://biology-forums.com/index.php?topic=849755>

### Question 308

Left-sided heart failure is sometimes called congestive heart failure.

Answer: <https://biology-forums.com/index.php?topic=849561>

### Question 309

Drug metabolism can be affected by which factors? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Kidney disease
2. Age
3. Liver disease
4. Genetics

Answer: <https://biology-forums.com/index.php?topic=848931>

### Question 310

Which patient is at the greatest risk for developing an acid-base imbalance or electrolyte disorder?

1. A patient who has a gastrostomy tube
2. 18-month-old who has had watery stools for 3 days
3. 70-year-old with constipation
4. 27-year-old with a 24-hour history of nausea and vomiting

Answer: <https://biology-forums.com/index.php?topic=849954>

### Question 311

The patient asks the pharmacist to identify possible causes of allergic rhinitis. Which causes should the pharmacist include in the patient education? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Asthma
2. Dust mites
3. Mold
4. Pollen
5. Tobacco smoke

Answer: <https://biology-forums.com/index.php?topic=849851>

### Question 312

The pharmacist is caring for a patient who has a tumor. The patient is confused and states, "the physician used another term and I just want to be sure we are all on the same page." Which term does the pharmacist anticipate that the physician used when talking with the patient?

1. Adenoma
2. Sarcoma
3. Carcinoma
4. Neoplasm

Answer: <https://biology-forums.com/index.php?topic=849814>

### Question 313

Ensure that patients using pediculicides repeat the treatment in 2 to 5 days to increase its effectiveness.

Answer: <https://biology-forums.com/index.php?topic=850142>

### Question 314

Scabicides are used to treat lice and pediculicides are used to treat scabies.

Answer: <https://biology-forums.com/index.php?topic=850141>

### Question 315

A pharmacy technician instructor wants to define the term pharmacology for the student. Which definition is most appropriate?

1. The study of medicine
2. The use of medicine to treat disease
3. The branch of medicine concerned with the treatment of disease and suffering
4. The use of herbs, natural extracts, vitamins, minerals, or dietary supplements to treat diseases

Answer: <https://biology-forums.com/index.php?topic=848584>

### Question 316

A patient is receiving norepinephrine. The nurse knows vital signs must be continually monitored to watch for which effect?

1. Hypertension
2. Bradypnea
3. Oliguria
4. Tachycardia

Answer: <https://biology-forums.com/index.php?topic=849687>

### Question 317

A patient has been prescribed ferrous sulfate for iron-deficiency anemia. Which statement by the patient indicates a need for further teaching?

1. "Iron should be taken with meals."
2. "Vitamin C increases the absorption of iron."
3. "Antacids and food decrease the absorption of iron."
4. "Calcium (including dairy products) and bran block ferrous sulfate's absorption."

Answer: <https://biology-forums.com/index.php?topic=850042>

### Question 318

Stimulation of the parasympathetic nervous system produces a flight or fight response.

Answer: <https://biology-forums.com/index.php?topic=849247>

### Question 319

Donepezil is a cholinesterase inhibitor and is used to treat Parkinson's.

Answer: <https://biology-forums.com/index.php?topic=849349>

### Question 320

A patient has been given an IM dose of an antibiotic at an outpatient clinic. How long will the physician observe this patient after medication administration?

1. 30-120 minutes.
2. 20-60 minutes.
3. 15-20 minutes.
4. 5 minutes.

Answer: <https://biology-forums.com/index.php?topic=849688>

### Question 321

Knowledge of pharmacology is essential to pharmacy technicians so that they can communicate effectively with health care providers and to gather medical data from their patients.

Answer: <https://biology-forums.com/index.php?topic=848716>

### Question 322

The patient is receiving warfarin. Which laboratory result will the pharmacist monitor to evaluate the therapeutic response?

1. PT
2. PT and INR
3. BNP
4. aPTT

Answer: <https://biology-forums.com/index.php?topic=849476>

### Question 323

Which of the following is not true about a virus?

1. Viruses contain none of the vital organelles that are present in cells of living organisms.
2. Viruses are nonliving agents that infect bacteria, plants, and animals.
3. Viruses are surrounded by a protective cell wall
4. Viruses infect a host by entering a target cell and using the host enzymes to replicate

Answer: <https://biology-forums.com/index.php?topic=849773>

### Question 324

To increase the chances of achieving a cure from cancer, which of the following must occur with chemotherapy (select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Every cancer cell needs to be destroyed by the drug.
2. The immune system must eliminate any cancer cells that remain after chemotherapy.
3. The patient needs to undergo 5 years of chemotherapy.
4. The patient must not have any adverse effects from the chemotherapy.

Answer: <https://biology-forums.com/index.php?topic=849818>

### Question 325

The nurse prepares to administer succinylcholine per the medication order. What does the nurse expect after the medication has been administered?

1. Loss of consciousness
2. Light sedation
3. Prevention of muscle contractions
4. Total skeletal muscle relaxation

Answer: <https://biology-forums.com/index.php?topic=849453>

### Question 326

What does the pharmacy technician need to determine prior to dispensing a medication to a patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Contraindications for this medication
2. What drug is ordered
3. The generic and trade name of the medication
4. The manufacturer of the medication
5. The drug classification

Answer: <https://biology-forums.com/index.php?topic=848816>

### Question 327

The pharmacist is describing angina to a family member of a patient recently diagnosed with the condition. Which characterization of angina is the most appropriate?

1. Chest pain on physical exertion or emotional stress
2. Slow heart rate and difficulty standing
3. Crushing chest pain that radiates to the jaw and left arm
4. Sudden weakness with severe headache

Answer: <https://biology-forums.com/index.php?topic=849604>

### Question 328

A patient who was admitted with gastrointestinal bleeding secondary to aspirin use therapy is being discharged. The patient asks why acetaminophen doesn't work as well as the aspirin the patient had been taking. What would be the pharmacist's best response?

1. "You should take double the prescribed dose of Tylenol."
2. "Tylenol does not reduce inflammation."
3. "Tylenol is only appropriate for severe pain."
4. "Tylenol and aspirin are the same drug."

Answer: <https://biology-forums.com/index.php?topic=849422>

### Question 329

A common superinfection after the use of a broad spectrum antibiotic is vaginal yeast infections.

Answer: <https://biology-forums.com/index.php?topic=849765>

### Question 330

The patient complains of blurry vision after using pilocarpine hydrochloride. Which explanation about the blurry vision is most appropriate by the pharmacist?

1. "This is a common reaction, but should be temporary."
2. "Use only half the dose, and monitor the results."
3. "I will have the physician prescribe something different for you."
4. "You have an allergy, and should stop using the drops."

Answer: <https://biology-forums.com/index.php?topic=849916>

### Question 331

Sulfonylureas act by stimulating the release of insulin from the pancreatic islet cells and by decreasing the sensitivity of insulin receptors on target cells.

Answer: <https://biology-forums.com/index.php?topic=850189>

### Question 332

A patient is being treated for reoccurring severe depressive illness. The pharmacist expects the patient to receive which type of treatment?

1. Grief counseling
2. Medication and psychotherapy
3. Medication only
4. Psychotherapy only

Answer: <https://biology-forums.com/index.php?topic=849289>

### Question 333

Which instructions should the pharmacist provide to the patient who is prescribed a benzodiazepine? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Report significant mood changes.
2. Avoid OTC medications used to induce sleep.
3. Avoid alcoholic beverages.
4. If a dose is missed, the client should take a double dose as soon as possible.
5. Avoid caffeine.

Answer: <https://biology-forums.com/index.php?topic=849265>

### Question 334

A prodrug is active as soon as it is absorbed into the body.

Answer: <https://biology-forums.com/index.php?topic=848985>

### Question 335

Therapeutics is the use of medicine to treat disease.

Answer: <https://biology-forums.com/index.php?topic=848718>

### Question 336

It not important for pharmacy technicians to know about routes of administration as they do not administer drugs to patients.

Answer: <https://biology-forums.com/index.php?topic=848869>

### Question 337

The nurse is performing an assessment on a patient who is experiencing shock. What metabolic findings would the nurse expect?

1. Rapid, shallow respiratory effort
2. Restlessness, anxiety, and confusion
3. Low temperature and thirst
4. Tachycardia and hypotension

Answer: <https://biology-forums.com/index.php?topic=849676>

### Question 338

List the various forms of birth control available in Canada, indicating which are available without a prescription.

Answer: <https://biology-forums.com/index.php?topic=850229>

### Question 339

To prevent the development of cancer, maintain a healthy diet high in fat and low in fresh vegetables and fruit.

Answer: <https://biology-forums.com/index.php?topic=849835>

### Question 340

Patients should be advised not to overuse laxatives, because the smooth muscle in the colon can lose its tone. What condition should the pharmacist warn the patient can occur if this happens?

1. Chronic constipation
2. Chronic diarrhea
3. Chronic nausea
4. Frequent vomiting

Answer: <https://biology-forums.com/index.php?topic=849953>

### Question 341

The eCPS is searchable by? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Manufacturer
2. Brand name
3. Generic name
4. Classification

Answer: <https://biology-forums.com/index.php?topic=849205>

### Question 342

A patient arrives in the Emergency Department with a barbiturate overdose. The pharmacy technician expects which possible outcomes? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Decreased respirations
2. Increased respirations
3. Death
4. Coma
5. Increased heart rate

Answer: <https://biology-forums.com/index.php?topic=849103>

### Question 343

What will the pharmacist teach a patient who is taking anti-gout medication?

1. Decrease fluid intake.
2. Increase intake of high-purine foods.
3. Drink plenty of fluids.
4. Restrict activities.

Answer: <https://biology-forums.com/index.php?topic=850083>

### Question 344

An infant has been weighed during a well-care visit at the physician's office. The nurse weighs the child in pounds and ounces but the pharmacy

technician needs the weight kilograms. The pharmacy technician calculates the weight based on which conversion?

1. One kilogram equals 2.2 pounds.
2. One kilogram equals 3.2 pounds.
3. One kilogram equals 1.2 pounds.
4. One kilogram equals 0.45 pounds.

Answer: <https://biology-forums.com/index.php?topic=848842>

### Question 345

An ulcer caused by *H. pylori* can be successfully treated with which classification of drugs? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Antacids
2. Proton pump inhibitors
3. H<sub>2</sub>-receptor blockers
4. Antibiotics

Answer: <https://biology-forums.com/index.php?topic=849944>

### Question 346

T cells produce huge amounts of these chemicals that regulate important aspects of the immune response. These chemicals are called:

1. B cells
2. Cytokines
3. Helper T cells
4. Antibodies

Answer: <https://biology-forums.com/index.php?topic=849881>

### Question 347

This division of Health Canada authorizes the marketing of pharmaceutical drugs or medical devices after safety, efficacy and quality data is collected from manufacturers:

1. The Biologics and Genetic Therapies Directorate
2. The Therapeutic Products Directorate
3. The Natural Health Products Directorate
4. The Health Products Directorate

Answer: <https://biology-forums.com/index.php?topic=848771>

### Question 348

Antioxidants are thought to offer a protective effect against cancer. The pharmacist teaches patients that which beverage also increases longevity and mental alertness, and provides a mild diuretic effect?

1. Orange pekoe
2. Echinacea
3. Black tea
4. Green tea

Answer: <https://biology-forums.com/index.php?topic=849810>

### Question 349

Which of the statement is not correct regarding cephalosporins?

1. Patients who are allergic to penicillin might be allergic to cephalosporins.
2. GI-related adverse effects such as diarrhea, vomiting, and nausea can occur.
3. Many must be given IM or IV.
4. All cephalosporins are absorbed well from the GI tract.

Answer: <https://biology-forums.com/index.php?topic=849746>

### Question 350

What foods should the pharmacist teach a patient to avoid while taking a calcium supplement?

(Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Nuts
2. Cheese
3. Spinach
4. Soy
5. Milk

Answer: <https://biology-forums.com/index.php?topic=850034>

### Question 351

A patient presents with shock in the hospital, and has a history of a recent infection. What does the pharmacist suspect that this patient is experiencing?

1. Septic shock
2. Hypovolemic shock
3. Cardiogenic shock
4. Neurogenic shock

Answer: <https://biology-forums.com/index.php?topic=849671>

### Question 352

Salbutamol can also be used in tablet or injectable form to stop premature uterine contractions because it relaxes the smooth muscles of the uterus.

Answer: <https://biology-forums.com/index.php?topic=849251>

### Question 353

The expanded role of the pharmacy technician evolved because

1. The pharmacy owners wanted to save money
2. The pharmacist's responsibilities were expanding
3. The government mandated that the role must expand
4. Of the shortage of pharmacists in the country

Answer: <https://biology-forums.com/index.php?topic=848700>

### Question 354

Patients with psychoses often are unable to distinguish between reality and illusion.

Answer: <https://biology-forums.com/index.php?topic=849343>

### Question 355

The patient asks which components of the lipid profile should be low. What is the most appropriate response by the pharmacist?

1. VLDL should be high.
2. LDL should be low.
3. Total cholesterol levels do not give sufficient information.
4. HDL should be low.

Answer: <https://biology-forums.com/index.php?topic=849644>

### Question 356

The patient asks the pharmacist to explain heart failure. Which statement should be included in the teaching by the pharmacist?

1. There are no known risk factors for developing heart failure.
2. Heart failure is the inability of the ventricles to pump enough blood to meet the body's metabolic demands.
3. Medications can cure heart failure.
4. Heart failure is very uncommon in people over age 70.

Answer: <https://biology-forums.com/index.php?topic=849535>

### Question 357

A scientist is performing research on cellular cultures for a new drug product. At which stage of development is this new drug product?

1. Pre-clinical investigation
2. Clinical investigation
3. Submission of New Drug Application
4. Post marketing surveillance

Answer: <https://biology-forums.com/index.php?topic=848773>

### Question 358

A patient asks the pharmacist what the most common side effect of anticoagulant therapy is. What is the best response by the pharmacist?

1. "Bleeding."
2. "Ataxia."
3. "Headache."
4. "Hypotension."

Answer: <https://biology-forums.com/index.php?topic=849488>

### Question 359

The more serious types of dysrhythmias are corrected through electrical shock of the heart, a treatment called:

1. Debridement
2. Cardiac ablation
3. Cardioversion or defibrillation
4. Installing a pacemaker

Answer: <https://biology-forums.com/index.php?topic=849576>

### Question 360

Infliximab is used to suppress the severe inflammation that often accompanies autoimmune disorders such as Crohn's disease and rheumatoid arthritis.

Answer: <https://biology-forums.com/index.php?topic=849900>

### Question 361

Organic nitrates relieve anginal pain by dilating the veins and the cranial arteries.

Answer: <https://biology-forums.com/index.php?topic=849635>

### Question 362

The pharmacist is screening a group of patients. Which patient has the greatest risk for developing type II diabetes?

1. 25-year-old male
2. 12-year-old male
3. 55-year-old female
4. 8-year-old female

Answer: <https://biology-forums.com/index.php?topic=850171>

### Question 363

If counseling is done by the pharmacist with a new prescription, the patient will be 100% compliant in taking their medications.

Answer: <https://biology-forums.com/index.php?topic=848877>

### Question 364

Which drug is not an anxiolytic?

1. Alprazolam
2. Diazepam
3. Methylphenidate
4. Oxazepam

Answer: <https://biology-forums.com/index.php?topic=849277>

### Question 365

Spinal substance P is critical because it controls whether pain signals will continue to the brain.

Answer: <https://biology-forums.com/index.php?topic=849424>

### Question 366

Appetite is a normal physiological response that drives people to seek nourishment while hunger is a psychological response that drives food intake based on associations and memory.

Answer: <https://biology-forums.com/index.php?topic=850008>

### Question 367

Areas of science closely interrelated with pharmacology include the following: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Botany
2. Anatomy
3. Physiology
4. Pathophysiology

Answer: <https://biology-forums.com/index.php?topic=848585>

### Question 368

Alternative routes of drug delivery, other than oral, may be needed if the drug is subject to the first-pass effect.



Answer: <https://biology-forums.com/index.php?topic=848981>

### Question 369

Eligibility into the PEBC qualifying exam would include which of the following (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Completion of a CCAPP accredited program
2. Pass the Pharmacist Evaluating Exam
3. Completion of an assistant program in Canada
4. Completion of a pharmacist degree program in Canada or United States
5. Completion of a Bachelor of Science degree in any discipline.

Answer: <https://biology-forums.com/index.php?topic=848704>

### Question 370

Vasodilators have limited use due to which side effects? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hypertension
2. Orthostatic hypotension
3. Blurry vision
4. Reflex tachycardia
5. Hypokalemia

Answer: <https://biology-forums.com/index.php?topic=849557>

### Question 371

Blood pressure is usually low with most types of shock.

Answer: <https://biology-forums.com/index.php?topic=849695>

### Question 372

What are the primary subclasses of antiplatelet agents? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Thrombolytics
2. Aspirin (ASA)
3. Adenosine diphosphate (ADP) receptor blockers
4. Glycoprotein IIb/IIIa receptor blockers
5. Antipyretic agents

Answer: <https://biology-forums.com/index.php?topic=849485>

### Question 373

The patient receives amitriptyline. What is a priority teaching point at discharge?

1. Do not rapidly stand up or change positions.
2. Begin a low-carbohydrate diet.
3. Avoid green, leafy vegetables.
4. Do not take aspirin with this drug.

Answer: <https://biology-forums.com/index.php?topic=849295>

### Question 374

The pharmacist is teaching a patient about body defenses. Which defenses should the pharmacist include in the teaching when referring to innate defenses?

1. The skin
2. Antibody-mediated (humoral) immunity
3. Cell-mediated immunity
4. Immunoglobulins (Ig)

Answer: <https://biology-forums.com/index.php?topic=849878>

### Question 375

A patient has been prescribed amphotericin B. Which side effects will the pharmacist monitor this patient for while receiving this medication? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hepatotoxicity
2. Phlebitis
3. BUN
4. Fever and chill

5. Creatinine

Answer: <https://biology-forums.com/index.php?topic=849789>

### Question 376

Why is hormone pharmacotherapy prescribed for patients? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Therapeutic advantage
2. Exaggerated response
3. Replacement therapy
4. Antineoplastic effect
5. Antihyperlipidemic effect

Answer: <https://biology-forums.com/index.php?topic=850158>

### Question 377

A patient with rosacea asks how to limit exacerbation of symptoms. What should the pharmacist recommend for this patient?

1. Eliminating alcohol and spicy foods from the diet
2. Use of burdock root as a skin detoxifier
3. Using drugs to inhibit bacterial growth
4. Keeping the skin moist

Answer: <https://biology-forums.com/index.php?topic=850119>

### Question 378

Which statement indicates understanding of hypertensive therapy by the patient?

1. "If I think my blood pressure is increased, I should take a double dose of my medications."
2. "I should take all medications as prescribed to control my high blood pressure."
3. "When I feel good, I don't need to take my medications."
4. "I should take hypertension medications only when I do not feel well."

Answer: <https://biology-forums.com/index.php?topic=849507>

### Question 379

Decongestants should be used with caution in patients with which diagnoses? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hyperthyroidism
2. Diabetes
3. Hypertension
4. Heart disease
5. Allergic rhinitis

Answer: <https://biology-forums.com/index.php?topic=849859>

### Question 380

A patient has been taking high-dose ASA for pain. Which side effects would the pharmacist expect the patient to experience? (Select all that apply.)

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Bleeding
2. Inflammation
3. Heartburn
4. Ataxia
5. Hyperglycemia

Answer: <https://biology-forums.com/index.php?topic=849418>

### Question 381

Corticosteroids, consisting of mineralocorticoids, glucocorticoids, and androgens, are released from the outer adrenal cortex.

Answer: <https://biology-forums.com/index.php?topic=850180>

### Question 382

A disorder of electrical activity in the brain resulting in the occurrence of periods of unconsciousness, seizures and convulsions is called epilepsy.

Answer: <https://biology-forums.com/index.php?topic=849378>

### Question 383

Within the kidney is a system of enzymes called the cytochrome P450 (CYP450) isoenzyme system, and these enzymes are used to metabolize or

chemically alter drugs.

Answer: <https://biology-forums.com/index.php?topic=849057>

### Question 384

The movement of a drug from an area of higher concentration to an area of lower concentration is called:

1. Diffusion
2. Active transport
3. Osmosis
4. Passive transport

Answer: <https://biology-forums.com/index.php?topic=848899>

### Question 385

PDE-5 inhibitors do not cause an erection but enhance the erection by increasing blood flow and maintaining relaxation of the smooth muscle in the penis.

Answer: <https://biology-forums.com/index.php?topic=850226>

### Question 386

A pharmacy technician student asks the pharmacist the definition of a prodrug. What is the best response by the pharmacist?

1. A prodrug is a name brand drug.
2. A prodrug is not absorbed by the body.
3. A prodrug is the first drug developed in a drug class.
4. A prodrug requires metabolism to make it active.

Answer: <https://biology-forums.com/index.php?topic=848939>

### Question 387

MAO Inhibitors are drugs of choice for the treatment of simple depression.

Answer: <https://biology-forums.com/index.php?topic=849309>

### Question 388

What is not a barrier to distribution of medications?

1. Blood-brain barrier
2. Blood-testes barrier
3. Blood-placental barrier
4. Blood-lung barrier

Answer: <https://biology-forums.com/index.php?topic=848917>

### Question 389

Examples of primary references would include? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. CPS
2. Therapeutic Choices
3. Trissel's Handbook of Injectable Drugs
4. Hospital for Sick Children: Pediatric Formulations

Answer: <https://biology-forums.com/index.php?topic=849183>

### Question 390

In order to monitor the effectiveness of drug therapy in a patient with seizures, what should the pharmacist teach the patient to do? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Take double doses.
2. Take medications as ordered.
3. Make up skipped doses
4. Keep a diary of seizure activity.
5. Keep a normal sleep-wake schedule

Answer: <https://biology-forums.com/index.php?topic=849363>

### Question 391

The pharmacist is caring for a patient who is diagnosed with type II diabetes. Which treatment option does the pharmacist expect to provide education for in regards to this diagnosis?

1. Diet and exercise

2. Insulin with other antidiabetic medications
3. Insulin
4. Antidiabetic medications

Answer: <https://biology-forums.com/index.php?topic=850173>

### Question 392

A patient is diagnosed with metastatic endometrial cancer. The pharmacist would suspect this hormone to be used with the antineoplastics.

1. Estrogen
2. Progestin
3. Testosterone
4. Prolactin

Answer: <https://biology-forums.com/index.php?topic=850200>

### Question 393

Drug patent protection in Canada lasts 17 years.

Answer: <https://biology-forums.com/index.php?topic=848808>

### Question 394

A patient taking tretinoin requires blood draws to monitor for side effects while taking the medication. Which lab orders does the pharmacist anticipate for this patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Serum creatinine
2. Serum triglyceride
3. Liver function
4. Serum glucose
5. Blood urea nitrogen

Answer: <https://biology-forums.com/index.php?topic=850130>

### Question 395

The pharmacy technician is describing the differences between the different types of dependence and abuse. Which type of dependence causes uncomfortable symptoms when the drug is stopped?

1. Substance dependence
2. Physical dependence
3. Psychological dependence
4. Psychosocial dependence

Answer: <https://biology-forums.com/index.php?topic=849073>

### Question 396

If a drug is taken on an empty stomach, it will be absorbed slower than if taken on a full stomach.

Answer: <https://biology-forums.com/index.php?topic=848971>

### Question 397

A patient has been prescribed fexofenadine for allergic rhinitis. Which statement made by the patient indicates the need for further teaching?

1. "This medication is available only in pill form."
2. "I will take this medication every day to prevent symptoms of allergies."
3. "I will take this medication only when I have seasonal allergy symptoms."
4. "This medication does not cause drowsiness."

Answer: <https://biology-forums.com/index.php?topic=849862>

### Question 398

A health care providers are allowed to prescribe drugs.

Answer: <https://biology-forums.com/index.php?topic=848714>

### Question 399

A drug taken by one route will be as effective if taken via another route.

Answer: <https://biology-forums.com/index.php?topic=848867>

### Question 400

An adult patient is receiving hepatitis B injections. The pharmacist anticipates that the patient will receive these injections on which schedule?

1. The first dose at age 11 or 12 years, the second dose 2 months after the first dose, and the third dose 6 months after the first dose

2. First dose followed by a booster 6–12 months later
3. Single annual dose
4. Three doses, with the second dose 30 days after the first and the final dose 6 months after the first

Answer: <https://biology-forums.com/index.php?topic=849882>

### Question 401

The physician tells the pharmacist a HMG-CoA reductase inhibitor has been prescribed. What is another name for the type of drug?

1. A fibric acid
2. An omega-3 fatty acid
3. A statin
4. A bile acid resin

Answer: <https://biology-forums.com/index.php?topic=849654>

### Question 402

Adverse effect seen with succinylcholine, a depolarizing blocker, would include (select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. diminished blood levels of potassium
2. malignant hyperthermia
3. disappearance of post-operative muscle pain
4. persistent paralysis in some patients

Answer: <https://biology-forums.com/index.php?topic=850064>

### Question 403

The patient is receiving cyanocobalamin every other week. What topic should the pharmacist include in the patient teaching regarding this medication?

1. Alcohol increases the absorption.
2. Treatment might be necessary throughout the life span.
3. Headache is a common side effect.
4. Foods high in potassium should be avoided.

Answer: <https://biology-forums.com/index.php?topic=850039>

### Question 404

Side effects with drugs are more common:

1. When the therapeutic range is wide
2. When the therapeutic range is narrow
3. When the MEC is not met
4. When the MTC is not reached

Answer: <https://biology-forums.com/index.php?topic=848959>

### Question 405

The nurse is administering IV fluid to a patient. Which fluid will require the nurse to monitor electrolyte values?

1. Antibiotics
2. Crystalloids
3. Colloids
4. Blood products

Answer: <https://biology-forums.com/index.php?topic=849681>

### Question 406

A patient has been diagnosed with pancreatic insufficiency. Which treatment option does the pharmacist anticipate for this patient?

1. Treatment with PPIs to decrease stomach acid
2. Replacement therapy with pancreatic enzymes
3. Decrease food intake
4. Increase food intake

Answer: <https://biology-forums.com/index.php?topic=849961>

### Question 407

A clot within an artery that blocks blood flow to the brain is called:

1. Myocardial infarction
2. Deep vein thrombosis
3. Cerebrovascular accident (CVA)/stroke
4. Deep vein thrombosis (DVT)

Answer: <https://biology-forums.com/index.php?topic=849471>

### Question 408

A patient is concerned about becoming addicted to a prescription medication. The pharmacist is planning to teach the patient a way to decrease this chance. What item should the pharmacist include in the teaching plan?

1. Using the lowest effective dose for the shortest time necessary
2. Using the highest dose possible for the shortest time necessary
3. Using the highest dose possible for the longest time necessary
4. Using the lowest effective dose for the longest time necessary

Answer: <https://biology-forums.com/index.php?topic=849063>

### Question 409

A drug with a long half-life of 24 hours will generally be dosed very frequently such as every 6 hours.

Answer: <https://biology-forums.com/index.php?topic=848993>

### Question 410

A family history of depression raises the risk for a client to experience biological depression.

Answer: <https://biology-forums.com/index.php?topic=849306>

### Question 411

Progestins are occasionally prescribed for the treatment of metastatic endometrial carcinoma, in conjunction with antineoplastics.

Answer: <https://biology-forums.com/index.php?topic=850223>

### Question 412

Which of the following would be why a patient may not be compliant with their antipsychotic medication? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Experiencing side effects like ejaculation problems and orgasm delay
2. High income jobs
3. Homelessness
4. Physical dependence

Answer: <https://biology-forums.com/index.php?topic=849318>

### Question 413

The pharmacist is caring for a patient with Paget disease. This patient is considered to be late in the progression of the disease. Which disorders is this patient at risk for developing?

1. Glaucoma, diabetes mellitus, and arthritis
2. Rheumatoid arthritis, epilepsy, and heart disease
3. Arthritis, kidney stones, and heart disease
4. Arthritis, endometrial cancer, and hypertension

Answer: <https://biology-forums.com/index.php?topic=850078>

### Question 414

Which medication is not an ester?

1. Chlorprocaine
2. Bupivacaine
3. Benzocaine
4. Tetracaine

Answer: <https://biology-forums.com/index.php?topic=849441>

### Question 415

The physician states that an anticholinergic drug has been prescribed for a patient. The pharmacy technician anticipates which medication to be ordered?

1. Ipratropium
2. Neostigmine
3. Bethanechol
4. Salbutamol

Answer: <https://biology-forums.com/index.php?topic=849243>

### Question 416

When answering the patient's questions regarding nutritional supplement, what is an appropriate response by the pharmacist?

1. Most people obtain the necessary nutrients through their normal diet.
2. Dietary supplements are essential to maintain health.
3. Organic foods are higher in vitamins and minerals.
4. Vitamins and minerals are necessary to increase energy levels.

Answer: <https://biology-forums.com/index.php?topic=850036>

### Question 417

Hemorrhagic stroke needs to be rapidly treated with a thrombolytic.

Answer: <https://biology-forums.com/index.php?topic=849634>

### Question 418

A patient is taking Saint John's Wort and an SSRI. The pharmacist would monitor the patient for which symptoms? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Mania
2. Confusion
3. Renal failure
4. Tachycardia
5. Hypertension

Answer: <https://biology-forums.com/index.php?topic=849300>

### Question 419

What the result of high IOP untreated over time?

1. Increase in blood pressure causing cardiovascular events
2. Increase in intracranial pressure causing a hemorrhagic stroke
3. Increased pressure on the optic nerve, leading to blindness
4. Increased pressure causes your eye to burst

Answer: <https://biology-forums.com/index.php?topic=849907>

### Question 420

Nonpharmacological choices to treat anxiety include the following: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Caffeine or other stimulant use should be increased.
2. Alcohol use should be minimal; it should not be used to control anxiety.
3. Stress reduction, including relaxation training and time management, is often helpful initially.
4. Specific cognitive behavioural therapy (CBT) may be required.

Answer: <https://biology-forums.com/index.php?topic=849262>

### Question 421

Chemical messengers called hormones are released in response to a change in the body's internal environment.

Answer: <https://biology-forums.com/index.php?topic=850177>

### Question 422

A patient has been admitted with a mild case of alkalosis. What would the pharmacist expect to be ordered?

1. 0.9% NaCl
2. NS with 20 mEq potassium
3. Oral potassium supplements
4. Lactated Ringer's solution

Answer: <https://biology-forums.com/index.php?topic=849707>

### Question 423

The pharmacist is providing care for a group of patients on a medical-surgical unit. Which patient does the pharmacist anticipate as being at greatest risk for a serious fungal infection?

1. 35-year-old healthy woman
2. 76-year-old patient with hypertension
3. 12-year-old patient with a renal transplant
4. 18-year-old patient with asthma

Answer: <https://biology-forums.com/index.php?topic=849770>

### Question 424

The pharmacist is educating a patient regarding the effects of kidney damage and medications. Which statements by the pharmacist are appropriate regarding this topic? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Kidney damage can significantly shorten drug action.
2. Kidney damage does not cause adverse reactions.
3. Kidney damage is a common cause of adverse reactions.
4. Kidney damage can significantly prolong drug action.
5. Kidney damage decreases the metabolism of drugs.

Answer: <https://biology-forums.com/index.php?topic=848943>

### Question 425

The patient receives clozapine. Which clinical finding is most important for the pharmacist to report immediately?

1. Increased appetite
2. Sore throat
3. Drowsiness
4. Constipation

Answer: <https://biology-forums.com/index.php?topic=849323>

### Question 426

A pharmacy technician is discussing generic and trade drugs with a patient. The patient wants to know why it takes so long for trade drugs to become available in the generic form, which are generally cheaper. What is the pharmacy technicians' best response?

1. It takes 20 years for all pharmaceutical companies to develop a generic version of the drug.
2. It will take 20 years of clinical trials to approve the drug.
3. Sole ownership of a drug allows the pharmaceutical company to earn back the money spent to develop the drug.
4. Animal testing must continue for 10 years, then 10 years of human clinical trials, for a drug to be approved.

Answer: <https://biology-forums.com/index.php?topic=848761>

### Question 427

Chronic hypertension and diabetes are two disorders commonly associated with heart failure development.

Answer: <https://biology-forums.com/index.php?topic=849560>

### Question 428

For a drug to produce a therapeutic effect, its blood concentration must surpass this level and below it, the drug is not effective.

1. Minimum toxic concentration
2. Therapeutic window
3. Minimum effective concentration
4. Loading dose

Answer: <https://biology-forums.com/index.php?topic=848955>

### Question 429

These substances are water soluble and can be transported freely throughout the blood, carrying cholesterol.

1. Steroids
2. Bile
3. Lipoproteins
4. Fatty acids

Answer: <https://biology-forums.com/index.php?topic=849643>

### Question 430

Which drugs are the most effective for treating severe diarrhea? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Diphenoxylate
2. Bismuth salt
3. Loperamide
4. Furazolidone
5. Diphenhydramine

Answer: <https://biology-forums.com/index.php?topic=849965>

### Question 431



Typical classes of drugs to prevent migraines are triptans, beta-adrenergic blockers, calcium channel blockers, antidepressants, and antiseizure drugs.  
Answer: <https://biology-forums.com/index.php?topic=849434>

### Question 432

The statins have been shown to slow the progression of coronary artery disease and to reduce mortality from cardiovascular disease.  
Answer: <https://biology-forums.com/index.php?topic=849668>

### Question 433

A prototype drug is always the most prescribed type of drug within that drug class.  
Answer: <https://biology-forums.com/index.php?topic=848800>

### Question 434

The subcutaneous layer of the skin is called the hypodermis.  
Answer: <https://biology-forums.com/index.php?topic=850138>

### Question 435

Dosing adjustments would need to be done for the following conditions: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Cardiovascular disease
2. Active liver disease
3. Active kidney disease
4. Active dermatological conditions

Answer: <https://biology-forums.com/index.php?topic=849039>

### Question 436

All topical forms of medication produce a local effect.

Answer: <https://biology-forums.com/index.php?topic=848889>

### Question 437

The Centers for Disease Control and Prevention (CDC) recommends that travelers to malaria-infested areas receive prophylactic antimalarial drugs prior to and during their visit, and for 1 week after leaving. The patient asks the pharmacist which medication will be prescribed for this. What is the best reply by the pharmacist?

1. "Albendazole."
2. "Mebendazole."
3. "Chloroquine."
4. "Praziquantel."

Answer: <https://biology-forums.com/index.php?topic=849782>

### Question 438

The pharmacist is caring for a patient who has been prescribed benzocaine. The patient asks the pharmacist what the medication is used to treat. Which responses by the pharmacist are appropriate? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Sunburn
2. Pruritus
3. Second-degree burns
4. Insect bites
5. Head lice

Answer: <https://biology-forums.com/index.php?topic=850123>

### Question 439

A patient complains of nausea and vomiting. Which medication would not be prescribed for this patient?

1. Diphenoxylate with atropine
2. Prochlorperazine
3. Promethazine
4. Ondansetron

Answer: <https://biology-forums.com/index.php?topic=849969>

### Question 440

Which classifications of medication do antiemetic drugs belong in? (Select all that apply.) Note: Credit will be given only if all correct choices and no

incorrect choices are selected.

1. Benzodiazepines
2. Glucocorticoids
3. Antipsychotics
4. Antihistamines
5. Opioids

Answer: <https://biology-forums.com/index.php?topic=849956>

### Question 441

Which branch of medicine is concerned with the treatment of disease and suffering?

1. Pharmacology
2. Therapeutics
3. Pathophysiology
4. Pharmacotherapeutics

Answer: <https://biology-forums.com/index.php?topic=848675>

### Question 442

The pharmacist is teaching the patient prescribed tamsulosin for BPH. What should the pharmacist include in the teaching session for this patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. "This medication will shrink the prostate."
2. "Drug therapy alleviates the symptoms but does not cure the disease."
3. "This medication will lower your blood pressure."
4. "This medication has no effect on blood pressure."
5. "This medication will be required for the rest of your life."

Answer: <https://biology-forums.com/index.php?topic=850211>

### Question 443

A bronchodilator such as salbutamol would never be used to treat an acute attack of asthma.

Answer: <https://biology-forums.com/index.php?topic=849874>

### Question 444

A patient presents with chronic pain that has recently increased in severity. The pharmacy technician knows this type of pain can be increased with which occurrence? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Depression
2. Overuse of OTC pain relievers
3. Anxiety
4. Fatigue
5. New pain medication

Answer: <https://biology-forums.com/index.php?topic=849386>

### Question 445

Very low density lipoproteins (VLDL) is converted to LDL, via the help of lipoprotein lipase, as it travels through the bloodstream.

Answer: <https://biology-forums.com/index.php?topic=849665>

### Question 446

A college student is having a panic attack. The drug class most likely to be prescribed to treat this type of anxiety will be barbiturate.

Answer: <https://biology-forums.com/index.php?topic=849285>

### Question 447

A patient asks the pharmacy technician why the healthcare provider often refers to medications by the generic name instead of by the brand name. What is the best response by the pharmacy technician?

1. The pharmacy will only accept a prescription written with the generic name.
2. The physician prefers to use a more technical-sounding name for medications.
3. There is only one generic name for each medication, but there are often many brand names.
4. The patient needs to ask the physician to explain why medications have so many different names.

Answer: <https://biology-forums.com/index.php?topic=848763>

### Question 448

The patient asks the pharmacist how atorvastatin will help lower cholesterol. Which response by the pharmacist is most appropriate?

1. Its action is not understood.
2. It makes the body excrete cholesterol quicker.
3. It binds to cholesterol and inhibits its production.
4. It interferes with how cholesterol is made.

Answer: <https://biology-forums.com/index.php?topic=849656>

### Question 449

A patient taking nitroglycerin for angina asks the pharmacist to explain possible side effects. What should be included in patient teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Reflex tachycardia
2. Hyperkalemia
3. Dizziness
4. Hypertension
5. Hypotension

Answer: <https://biology-forums.com/index.php?topic=849615>

### Question 450

Bethanechol has been prescribed for a patient, who asks the pharmacist what the side effects of this drug are. Which side effects are related to this drug? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Abdominal cramping
2. Hypotension
3. Increased salivation
4. Hypertension
5. Urinary retention

Answer: <https://biology-forums.com/index.php?topic=849242>

### Question 451

What should be used with caution in patients with asthma and heart failure?

1. Nonselective beta blockers
2. ACE inhibitors
3. Beta1 blockers
4. Alpha blockers

Answer: <https://biology-forums.com/index.php?topic=849523>

### Question 452

After taking the medication guaifenesin, the patient complains of coughing up phlegm. What is the best response by the pharmacist?

1. This requires further investigation.
2. This is indicative of an allergic reaction.
3. This means there is probably more pathology present.
4. This is normal.

Answer: <https://biology-forums.com/index.php?topic=849864>

### Question 453

Which of the following are conditions that may require the use of a laxative? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Chronic infrequent and painful bowel movements accompanied by severe straining
2. Following surgical procedures to prevent the patient from straining or bearing down when attempting a bowel movement.
3. To cleanse the bowel prior to surgery or for diagnostic procedures of the colon, such as a colonoscopy or barium enema.
4. When suffering from a bowel obstruction

Answer: <https://biology-forums.com/index.php?topic=849949>

### Question 454

The pharmacist is preparing to administer a medication. Which six rights of drug administration should the pharmacist assess for prior to administering the prescribed medication? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Right patient
2. Right route of administration
3. Right dose
4. Right time of preparation
5. Right documentation

Answer: <https://biology-forums.com/index.php?topic=848826>

### Question 455

In oral contraceptives, estrogen is used to make the uterus less favorable for implantation and progesterin is used to prevent ovulation.  
Answer: <https://biology-forums.com/index.php?topic=850220>

### Question 456

A patient has been prescribed a liquid medication to be taken 15 mL tid. How should the pharmacy technician instruct the patient to take this medication?

1. Carefully measure the medication using any teaspoon and take one teaspoon three times per day.
2. Carefully measure the medication using any tablespoon available and take one tablespoon 3 times per day.
3. Carefully measure using a medical dosing device and take 15 mL, which equals one tablespoon three times per day.
4. Carefully measure using a medical dosing device and take 15 mL, which equals one teaspoon three times per day.

Answer: <https://biology-forums.com/index.php?topic=848844>

### Question 457

The reason that a thiazide diuretic is often given with a potassium sparing diuretic in the same tablet is to reduce the amount of water lost while still allowing potassium to be excreted in the urine.

Answer: <https://biology-forums.com/index.php?topic=849730>

### Question 458

The pharmacist is caring for an adult patient with a fever. Which medications are appropriate for the patient to take? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Acetaminophen
2. Ibuprofen
3. Aspirin
4. Prednisolone
5. Methylprednisolone

Answer: <https://biology-forums.com/index.php?topic=849406>

### Question 459

A patient asks the pharmacist what ventilation is. What is the most appropriate response by the pharmacist?

1. "Ventilation is the process by which gases are exchanged."
2. "Ventilation is the process of moving air into and out of the lungs."
3. "Ventilation is the blood flow through the lung."
4. "Ventilation is taking a breath in."

Answer: <https://biology-forums.com/index.php?topic=849845>

### Question 460

What is the act of cutting a hole into the skull to give the disease a portal to leave called?

1. Trephining
2. Blood letting
3. Leaching
4. Phrenology

Answer: <https://biology-forums.com/index.php?topic=848580>

### Question 461

The pharmacist is teaching a patient who has been placed on a loop diuretic and requires a potassium supplement. What should the pharmacist include in the teaching session?

1. Do not use with antacids.
2. Tablets may be crushed or broken for easier swallowing.
3. Take on an empty stomach.
4. Take with food.

Answer: <https://biology-forums.com/index.php?topic=849704>

### Question 462

ARBs and ACE Inhibitors both work on the RAA system while beta-blockers and alpha-blockers work on cholinergic receptors.

Answer: <https://biology-forums.com/index.php?topic=849533>

### Question 463

The pharmacist is providing teaching to a patient who is at risk for osteoporosis. Which risk factors are considered modifiable? (Select all that apply.)

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Postmenopausal age
2. High alcohol or caffeine consumption
3. Lack of vitamin D or calcium in the diet
4. Physical inactivity
5. Gender

Answer: <https://biology-forums.com/index.php?topic=850075>

### Question 464

The course of MS is predictable, and each patient will experience the same set of symptoms.

Answer: <https://biology-forums.com/index.php?topic=849351>

### Question 465

A patient is has erectile dysfunction and cannot take PDE-5 inhibitors. List his options available on the market in Canada.

Answer: <https://biology-forums.com/index.php?topic=850230>

### Question 466

A patient arrives in the Emergency Department with an overdose from benzodiazepines. What circumstance would cause the pharmacy technician to anticipate death of this patient?

1. Benzodiazepines combined with a CNS stimulant
2. Has never taken a benzodiazepine before
3. Took a high dose of benzodiazepines
4. Has taken a benzodiazepine with a CNS depressant

Answer: <https://biology-forums.com/index.php?topic=849105>

### Question 467

The pharmacist is caring for a patient who is prescribed a thrombolytic drug. Which item in the patient's history does not support the use of this medication?

1. Pulmonary embolism
2. Acute MI
3. Postoperative bleeding
4. Cerebrovascular accident (CVA)

Answer: <https://biology-forums.com/index.php?topic=849484>

### Question 468

When teaching a patient about beta blockers, what should the pharmacist include in the teaching plan regarding what can occur with abrupt discontinuation?

1. Dry mouth and painful urination
2. Dizziness and coma
3. Chest pain and rebound hypertension
4. Cramping and constipation

Answer: <https://biology-forums.com/index.php?topic=849229>

### Question 469

A patient has been ordered a thrombolytic medication. Why is it important for the pharmacist to obtain a comprehensive medication history for this patient?

1. Many patients are allergic to this medication.
2. Thrombolytics cannot be given to a patient with a history of asthma.
3. Thrombolytics will stop bleeding.
4. Thrombolytics are contraindicated in patients with active bleeding or with a history of recent trauma.

Answer: <https://biology-forums.com/index.php?topic=849483>

### Question 470

A patient is being admitted to the acute care unit with trichomonas vaginalis. What medication does the pharmacist anticipate will be prescribed for this patient?

1. Pyrimethamine
2. Praziquantel
3. Curamin
4. Metronidazole

Answer: <https://biology-forums.com/index.php?topic=849768>

### Question 471

Malignant tumors are those that do not metastasize and rarely require drug treatment.

Answer: <https://biology-forums.com/index.php?topic=849836>

### Question 472

The patient has been prescribed travoprost. When does the pharmacist anticipate the maximum effect of this medication occurs?

1. 12 hours after administration
2. 4 hours after administration
3. 2 hours after administration
4. 6 hours after administration

Answer: <https://biology-forums.com/index.php?topic=849914>

### Question 473

A patient asks the pharmacist why two antibiotics have been prescribed to treat H. pylori. What is the best response by the pharmacist?

1. "Two or more antibiotics are given concurrently to increase the effectiveness of therapy and to lower the potential for bacterial resistance."
2. "One antibiotic is to treat H. pylori and the other is for a secondary infection."
3. "The acid in your stomach will make one antibiotic ineffective, so you must take two."
4. "You should only be prescribed one antibiotic to treat H. pylori."

Answer: <https://biology-forums.com/index.php?topic=849946>

### Question 474

The pharmacist is caring for a patient who has high cholesterol. The patient asks which type of cholesterol is the good cholesterol. Which response by the pharmacist is most appropriate?

1. VLDL
2. LDL
3. Triglycerides
4. HDL

Answer: <https://biology-forums.com/index.php?topic=849646>

### Question 475

The mechanism of action of a drug is how the medication produces its effects within the body.

Answer: <https://biology-forums.com/index.php?topic=848791>

### Question 476

A patient is having major surgery tomorrow. Which statement by the patient indicates understanding of the pre-op teaching?

1. "I will probably feel pain during the procedure."
2. "I won't feel a thing because I will be asleep."
3. "I will lose consciousness, movement, and memory."
4. "I will retain all memory of my procedure."

Answer: <https://biology-forums.com/index.php?topic=849445>

### Question 477

The patient asks the pharmacist what the possible treatments for cancer are. Which responses by the pharmacist are appropriate? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Diet
2. Radiation
3. Chemotherapy
4. Surgery
5. Exercise

Answer: <https://biology-forums.com/index.php?topic=849815>

### Question 478

A 5-month-old infant has been brought to the Emergency Department, and the parent states the child had a high fever and rapid jerking motions that lasted for a minute. Based on these symptoms, the pharmacist anticipates this patient will be diagnosed with which type of seizure?

1. Febrile seizures
2. Generalized seizures
3. Myoclonic seizures

4. Atonic seizures

Answer: <https://biology-forums.com/index.php?topic=849360>

### Question 479

An antibiotic can be either bacteriostatic or bactericidal, but never both.

Answer: <https://biology-forums.com/index.php?topic=849762>

### Question 480

The pharmacist is dispensing medication for a patient who has been taking a tricyclic antidepressant for several weeks. Which common adverse effect of tricyclic antidepressants is most likely to occur?

1. Dry mouth
2. Bradycardia
3. Sedation
4. Orthostatic hypotension

Answer: <https://biology-forums.com/index.php?topic=849291>

### Question 481

It is always easier to prevent anaphylaxis than it is to treat it.

Answer: <https://biology-forums.com/index.php?topic=849699>

### Question 482

Deficiency of growth hormone in children can cause short stature and treatment is with octreotide.

Answer: <https://biology-forums.com/index.php?topic=850182>

### Question 483

The patient is admitted with a diagnosis of urinary tract infection. The physician has ordered an IV antibiotic. What is the priority prior to administering this medication?

1. Obtain a platelet count.
2. Obtain a urine specimen for culture and sensitivity.
3. Obtain a PTT.
4. Obtain a PT.

Answer: <https://biology-forums.com/index.php?topic=849740>

### Question 484

The pharmacist is caring for a patient receiving an ADP receptor blocker. Which medications does the pharmacist anticipate may be included on the MAR? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Heparin
2. Ticlopidine
3. Clopidogrel
4. Warfarin
5. Ibuprofen

Answer: <https://biology-forums.com/index.php?topic=849486>

### Question 485

Using the broad definition of a drug, which of the following would be considered a drug. (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Traditional drugs
2. Sunscreens
3. Toothpastes
4. Antiperspirants

Answer: <https://biology-forums.com/index.php?topic=848688>

### Question 486

The stepped care approach to hypertensive treatment allows for which of the following:

1. Decreased client compliance
2. Less expense for the client
3. Use of a lower dose for each drug
4. More side effects

Answer: <https://biology-forums.com/index.php?topic=849508>

### Question 487

Hormone replacement therapy (HRT) is used to treat symptoms of menopause. What are these patients at an increased risk for developing as a result of the HRT? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Endometrial cancer
2. Stroke
3. Venous thromboembolism
4. Breast cancer
5. Coronary artery disease

Answer: <https://biology-forums.com/index.php?topic=850195>

### Question 488

A pharmacist is teaching her patient about cyclosporine therapy following a recent liver transplant. What statement by the patient indicates further teaching is needed?

1. "I might experience a decrease in urinary flow."
2. "I can take acetaminophen (Tylenol) for a headache, but I have to be very careful."
3. "I can take this drug with any fluid as long as it is at the same time every day."
4. "I will need to come into the clinic for periodic blood counts."

Answer: <https://biology-forums.com/index.php?topic=849893>

### Question 489

Sublingual and rectal administration are two examples of routes that bypass destructive enzymes of the liver.

Answer: <https://biology-forums.com/index.php?topic=848887>

### Question 490

The physician tells the pharmacist that a thiazide diuretic has been prescribed for the patient. The pharmacist expects which medication to be prescribed?

1. Spironolactone
2. Hydrochlorothiazide
3. Lisinopril
4. Furosemide

Answer: <https://biology-forums.com/index.php?topic=849545>

### Question 491

If taken for prolonged periods, PPIs may interfere with calcium absorption and cause osteoporosis and fractures.

Answer: <https://biology-forums.com/index.php?topic=850012>

### Question 492

The pharmacist is caring for a patient who has been placed on spironolactone. The pharmacist assesses this patient for hyperkalemia because of which concurrent medication?

1. Prinivil
2. Digoxin
3. Furosemide
4. Hydrochlorothiazide

Answer: <https://biology-forums.com/index.php?topic=849714>

### Question 493

Some common causes of diarrhea would include (select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Infections of the bowel
2. Inflammatory bowel disorders such as Crohn's disease or ulcerative colitis
3. Lactose intolerance
4. Superinfections occurring during or after anti-infective treatment

Answer: <https://biology-forums.com/index.php?topic=849955>

### Question 494

The pharmacist is admitting a patient to the floor with a protozoan infection. Which medication would the pharmacist expect the physician to order?

1. Trimethoprim-sulfasoxazole
2. Penicillin



3. Metronidazole

4. Ciprofloxacin

Answer: <https://biology-forums.com/index.php?topic=849748>

### Question 495

When used together with medication, non-pharmacological techniques often allow for lowering of medication doses.

Answer: <https://biology-forums.com/index.php?topic=849426>

### Question 496

The pharmacy technician is preparing to teach a patient about addiction, dependence, and withdrawal. The pharmacy technician asks the patient, "What is the progressive and chronic abuse of a substance caused by an intense craving and an overwhelming desire to continue using the substance, even if there are obvious negative economic, physical, or social consequences?" Which answer, by the patient, is appropriate?

1. Physical dependence
2. Addiction
3. Psychological dependence
4. Withdrawal

Answer: <https://biology-forums.com/index.php?topic=849069>

### Question 497

Naloxone would work by blocking this opioid receptor: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Delta
2. Mu
3. Kappa
4. Serotonin

Answer: <https://biology-forums.com/index.php?topic=849397>

### Question 498

The pharmacy technician is speaking with a patient regarding current medications. The patient states she does not always take the medications as prescribed. What are the potential reasons for this patient's noncompliance? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Patients sometimes forget doses of medications.
2. The drug may be too expensive or may not be approved by the patient's health insurance plan.
3. Adverse effects such as headache, dizziness, nausea, diarrhea, or impotence often cause noncompliance.
4. The patient always takes medications as prescribed.
5. The patient may not understand the reason for the medication.

Answer: <https://biology-forums.com/index.php?topic=848832>

### Question 499

The myocardium receives its nutrients from the first two arteries branching off the aorta, the right and left coronary arteries.

Answer: <https://biology-forums.com/index.php?topic=849630>

### Question 500

This is the most common IFN

1. Bacillus Calmette–Guérin (BCG) vaccine
2. IFN-alfa-2b
3. CSFs
4. IFN-beta

Answer: <https://biology-forums.com/index.php?topic=849885>

### Question 501

The nurse is treating a patient who is experiencing cardiac symptoms of shock. Which medication does the pharmacist anticipate because of its ability to increase the force of myocardial contraction?

1. Crystalloids
2. Colloids
3. Inotropic drugs
4. Vasopressors

Answer: <https://biology-forums.com/index.php?topic=849690>

### Question 502

The pharmacist is caring for a patient diagnosed with bipolar disorder who is exhibiting the following symptoms: insomnia, exaggerated confidence, attention seeking, and easily agitated. Based on these symptoms, what does the pharmacist believe these symptoms are caused by?

1. Overdose of barbiturates
2. Mania
3. Side effects of lithium
4. Depression

Answer: <https://biology-forums.com/index.php?topic=849287>

### Question 503

The pharmacist instructs the patient receiving MAOIs to avoid which item?

1. Foods containing tyramine
2. Calcium channel blockers
3. All dairy products
4. All physical activity

Answer: <https://biology-forums.com/index.php?topic=849301>

### Question 504

Symptoms of BPH include (select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. increased urinary frequency usually with small amounts of urine
2. decreased urgency to urinate
3. excessive nighttime urination (nocturia)
4. increased force of the urine stream
5. a sensation that the bladder is not completely empty

Answer: <https://biology-forums.com/index.php?topic=850209>

### Question 505

Calcitriol the active form of vitamin D.

Answer: <https://biology-forums.com/index.php?topic=850105>

### Question 506

Typical signs of a heart attack include chest pressure, squeezing in the chest, chest fullness or pain, and chest burning or heaviness.

Answer: <https://biology-forums.com/index.php?topic=849633>

### Question 507

A patient plans to enter a treatment facility for alcohol abuse. The patient asks the pharmacist if there are medications that can decrease the severity of withdrawal symptoms. The pharmacist knows which drug is used for this purpose?

1. Marijuana
2. Methadone
3. Bupropion
4. Diazepam

Answer: <https://biology-forums.com/index.php?topic=849075>

### Question 508

The patient asks how the body gets rid of cholesterol. Which response by the pharmacist is the most appropriate?

1. Cholesterol is secreted as HDL.
2. Cholesterol is secreted through the kidneys.
3. Cholesterol is secreted in bile.
4. Cholesterol is secreted in feces.

Answer: <https://biology-forums.com/index.php?topic=849642>

### Question 509

A patient presents in the Emergency Department with chest pain. The pharmacy technician knows that which conditions can cause chest pain? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Arthritis
2. Peptic ulcer disease
3. Myocardial infarction

4. Gastric reflux
5. Pelvic inflammatory disease

Answer: <https://biology-forums.com/index.php?topic=849606>

### Question 510

With psychological dependence, uncomfortable symptoms, known as withdrawal syndrome, occur when use of the agent is stopped.

Answer: <https://biology-forums.com/index.php?topic=849149>

### Question 511

Tocolytics are drugs that stimulate uterine contractions to promote the induction of labour while oxytocics are used to inhibit uterine contractions during premature labour.

Answer: <https://biology-forums.com/index.php?topic=850224>

### Question 512

The pharmacist is caring for a patient who is taking an oral contraceptive. What should the pharmacist advise this patient during medication instruction?

1. Exercise if leg pain is present.
2. Stop smoking.
3. Avoid foods that are high in B6.
4. Avoid foods that are high in folic acid.

Answer: <https://biology-forums.com/index.php?topic=850217>

### Question 513

Nystatin has been prescribed for a patient topically. What is the most common side effect the pharmacist will monitor for when administering this medication?

1. Diarrhea
2. Nausea
3. Skin irritation
4. Vomiting

Answer: <https://biology-forums.com/index.php?topic=849795>

### Question 514

Secondary references are the main references that have to be available in every pharmacy.

Answer: <https://biology-forums.com/index.php?topic=849209>

### Question 515

Cancer can be treated using surgery, radiation therapy and drugs.

Answer: <https://biology-forums.com/index.php?topic=849837>

### Question 516

Which of the following are causes of erectile dysfunction? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Certain diseases, most notably atherosclerosis, diabetes, kidney disease, stroke, and hypertension,
2. Psychogenic causes such as depression, fatigue, guilt, or fear of sexual failure.
3. Some common drugs, including thiazide diuretics, phenothiazines, SSRIs, TCAs, and ACE Inhibitors.
4. High testosterone levels

Answer: <https://biology-forums.com/index.php?topic=850207>

### Question 517

The pharmacist is caring for a patient who is experiencing inflammation. Which symptoms would the pharmacist expect to find upon assessment? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Itching
2. Redness
3. Pain
4. Swelling
5. Hyperglycemia

Answer: <https://biology-forums.com/index.php?topic=849400>

### Question 518

The pharmacist is teaching a group of students about inhaled anesthetics. Which anesthetic would be incorrect if stated by the student?

1. Methoxyflurane
2. Isoflurane
3. Propofol
4. Halothane

Answer: <https://biology-forums.com/index.php?topic=849455>

### Question 519

Some dysrhythmias produce no symptoms and have negligible effects on heart while others are life threatening and require immediate treatment.

Answer: <https://biology-forums.com/index.php?topic=849594>

### Question 520

Muscarinic and nicotinic receptors are receptors found in the sympathetic nervous system.

Answer: <https://biology-forums.com/index.php?topic=849250>

### Question 521

Symptoms of chronic pancreatitis include (select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. lower abdominal pain,
2. loss of appetite
3. nausea and vomiting
4. weight gain

Answer: <https://biology-forums.com/index.php?topic=849963>

### Question 522

Furosemide is considered a potent diuretic since it blocks the reabsorption of calcium in the ascending loop of Henle where the concentration of calcium is the highest, so more calcium stays in the filtrate causing more urine production and a greater reduction in blood volume and blood pressure.

Answer: <https://biology-forums.com/index.php?topic=849727>

### Question 523

The drug or the natural body substance attaches to its receptor, much like a lock and a key.

Answer: <https://biology-forums.com/index.php?topic=849047>

### Question 524

A patient was placed on ranitidine 2 days ago, and continues to complain of ulcer pain. What is the best response by the pharmacist?

1. "We'll switch you to a different medication."
2. "You probably have something else besides an ulcer."
3. "You might not notice relief for several days."
4. "You should be taking the medication with food."

Answer: <https://biology-forums.com/index.php?topic=849945>

### Question 525

Due to cross-tolerance, patients who have developed tolerance to alcohol will show tolerance to other CNS depressants. This would mean:

1. That doses may need to be increased for benzodiazepines, barbiturates and some general anesthetics.
2. That doses may need to be decreased for benzodiazepines, barbiturates and some general anesthetics.
3. That doses may need to be increased for narcotic painkillers.
4. That doses may need to be decreased for narcotic painkillers.

Answer: <https://biology-forums.com/index.php?topic=849085>

### Question 526

A patient is taking spironolactone but continues to have peripheral edema. Which question by the pharmacist is the most appropriate?

1. Are you taking potassium supplements?
2. Are you taking corticosteroids?
3. Are you taking digoxin?
4. Are you taking aspirin?

Answer: <https://biology-forums.com/index.php?topic=849718>

### Question 527

What happens to the human body when high blood pressure goes untreated?

1. Death happens quickly
2. Damage to blood vessels and their organs occur
3. Diabetes results
4. Amputations commonly occur

Answer: <https://biology-forums.com/index.php?topic=849498>

### Question 528

In addition to being used to treat adrenal insufficiency, corticosteroids, such as prednisone, are prescribed for a large number of non-endocrine disorders due to their ability to suppress inflammatory and immune responses quickly.

Answer: <https://biology-forums.com/index.php?topic=850183>

### Question 529

Immunosuppressant and disease-modifying drugs are additional therapies used to treat rheumatoid arthritis.

Answer: <https://biology-forums.com/index.php?topic=850111>

### Question 530

What is the recommendation in Canada for human papillomavirus (HPV) immunization?

1. For adults older than 60 years or may be used in 50 to 59 years
2. All adults every 10 years preferably with tetanus toxoid (Td) or pertussis (Tdap)
3. Females under 45 years of age and males under 26 years not previously immunized
4. All born after 1970; high risk born before 1970.

Answer: <https://biology-forums.com/index.php?topic=849883>

### Question 531

The patient has an HDL cholesterol value of 0.7 mmol/L. What is the most appropriate interpretation of this value by the pharmacist?

1. Normal
2. Borderline
3. Low
4. High

Answer: <https://biology-forums.com/index.php?topic=849648>

### Question 532

Sibutramine should be used with caution for patients with what disorder?

1. Stable atrial fibrillation
2. Diabetes mellitus
3. Asthma
4. Hypotension

Answer: <https://biology-forums.com/index.php?topic=849958>

### Question 533

A patient has been prescribed an antiplatelet drug, and asks the pharmacist to explain why this medication has been prescribed. Which response by the pharmacist is the most appropriate?

1. "These medications are used to dissolve such life-threatening clots."
2. "These medications are used to prevent clot formation in arteries."
3. "These medications are used to prevent the formation of clots."
4. "These medications inhibit the normal removal of fibrin, thus keeping the clot in place for a longer period of time."

Answer: <https://biology-forums.com/index.php?topic=849474>

### Question 534

A patient has been prescribed a drug to prevent angina pain. What is the first type of medication prescribed to prevent angina?

1. Beta blockers
2. Alpha blockers
3. Calcium channel blockers
4. Organic nitrates

Answer: <https://biology-forums.com/index.php?topic=849628>

### Question 535

Superficial mycoses typically affect the scalp, skin, nails, and mucous membranes such as the oral cavity and vagina and are commonly treated by topical agents.

Answer: <https://biology-forums.com/index.php?topic=849796>

### Question 536

MDIs use a propellant to deliver a measured dose of drugs to the lungs during each breath though some patients have difficulty synchronizing the puff with the inhalation.

Answer: <https://biology-forums.com/index.php?topic=849872>

### Question 537

Drug classes that have immunosuppressant activity include (Select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. corticosteroids (glucocorticoids),
2. antimetabolites
3. monoclonal antibodies
4. calcineurin inhibitors

Answer: <https://biology-forums.com/index.php?topic=849887>

### Question 538

The pharmacist is providing education to a patient who will begin birth control pills. Which statements are correct regarding how birth control pills work? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. They decrease blood flow to the ovaries.
2. They do not allow the egg to mature.
3. They prevent ovulation.
4. They make the lining of the uterus less favorable to receiving an embryo.
5. They cause permanent sterilization.

Answer: <https://biology-forums.com/index.php?topic=850193>

### Question 539

A patient with dysfunctional uterine bleeding is prescribed progestin. How should the pharmacist instruct the patient to take progestin?

1. Starting the day of the onset of menses and continuing for 28 days
2. Every other day for 3 months
3. Starting 5 days after the onset of menses and continuing for the next 20 days
4. Starting the last day of the menstrual period and continuing for 14 days

Answer: <https://biology-forums.com/index.php?topic=850197>

### Question 540

A patient receiving lithium for bipolar disorder would be at risk for increased lithium toxicity if it were prescribed with which other medication?

1. Potassium citrate
2. There are no drug interactions with lithium.
3. Diuretics
4. Sodium bicarbonate

Answer: <https://biology-forums.com/index.php?topic=849299>

### Question 541

Antimetabolites act by disrupting critical cell pathways in cancer cells such as interfering with aspects of nucleic acid metabolism.

Answer: <https://biology-forums.com/index.php?topic=849841>

### Question 542

The ACE inhibitors have also been found to reduce mortality following MI.

Answer: <https://biology-forums.com/index.php?topic=849636>

### Question 543

An embolism is a thrombus or clot which has moved from its origin.

Answer: <https://biology-forums.com/index.php?topic=849491>

### Question 544

A patient has been prescribed a calcium channel blocker for angina. The pharmacist knows this medication should be used with caution in combination with which drug classes? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. NSAIDs
2. Cardiac glycosides

3. Beta blockers
4. Diuretics
5. Hypolipidemics

Answer: <https://biology-forums.com/index.php?topic=849625>

### Question 545

The most common isoenzyme system of the cytochrome P450 isoenzyme system is:

1. CYP3A4
2. CYP1A2
3. CYP2B6
4. CYP2C19

Answer: <https://biology-forums.com/index.php?topic=849031>

### Question 546

The pharmacy technician knows that the patient with a history of epilepsy might also have what diagnosis?

1. Impaired gas exchange
2. Risk for injury
3. Chronic pain
4. Risk for infection

Answer: <https://biology-forums.com/index.php?topic=849361>

### Question 547

By blocking AChE, antipsychotic drugs reduce the symptoms of schizophrenia.

Answer: <https://biology-forums.com/index.php?topic=849348>

### Question 548

Receptors can be located (select all that apply):

1. On the plasma membrane
2. In the cytoplasm
3. In the nucleus of the cell
4. On the surface of the skin

Answer: <https://biology-forums.com/index.php?topic=849007>

### Question 549

The pharmacy technician knows that some sympathomimetic drugs stimulate which type of receptor that makes these drugs useful in treating asthma?

1. Beta 1
2. Alpha 2
3. Beta 2
4. Alpha 1

Answer: <https://biology-forums.com/index.php?topic=849232>

### Question 550

Edward Jenner discovered the vaccine for chicken pox.

Answer: <https://biology-forums.com/index.php?topic=848712>

### Question 551

Malaria is the second most common fatal infectious disease in the world.

Answer: <https://biology-forums.com/index.php?topic=849802>

### Question 552

The pharmacist is instructing a group of students about the ability to increase the strength of a cardiac contraction. Which medical term is appropriate for the pharmacist to use when referring to this topic?

1. Positive inotropic effect
2. Negative inotropic effect
3. Preload
4. Afterload

Answer: <https://biology-forums.com/index.php?topic=849555>

### Question 553

Alcohol inhibits the absorption of thiamine and folic acid.

Answer: <https://biology-forums.com/index.php?topic=850056>

### Question 554

The pharmacist is caring for a patient who is receiving doxorubicin. Which serious side effects will the pharmacist monitor this patient for during the assessment?

1. Delayed cardiac toxicity
2. Leaking from injection site
3. Vomiting
4. Decreased white blood cells

Answer: <https://biology-forums.com/index.php?topic=849826>

### Question 555

The pharmacist is caring for a patient who is taking levothyroxine and cholestyramine. Which reaction should the pharmacist monitor this patient for when administering these medications?

1. Hypolipidemia
2. Hyperthyroid
3. Hyperlipidemia
4. Hypothyroid

Answer: <https://biology-forums.com/index.php?topic=850159>

### Question 556

A patient has just been diagnosed with peptic ulcer disease. What first-choice drug does the pharmacist anticipate will be prescribed for this patient?

1. Famotidine
2. Magaldrate
3. Omeprazole
4. Sodium bicarbonate

Answer: <https://biology-forums.com/index.php?topic=849943>

### Question 557

Drug therapy for osteomalacia consists of calcium salts and vitamin B12.

Answer: <https://biology-forums.com/index.php?topic=850108>

### Question 558

The primary method(s) for achieving general anaesthesia is: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Intravenous
2. Inhaled
3. Topical
4. Oral

Answer: <https://biology-forums.com/index.php?topic=849448>

### Question 559

A patient has been prescribed alendronate (Fosamax). Which condition would this medication not be used to treat?

1. Symptomatic Paget's disease in both women and men
2. Prevention of osteoporosis in postmenopausal women
3. Glucocorticoid-induced osteoporosis in both women and men
4. Fractures

Answer: <https://biology-forums.com/index.php?topic=850100>

### Question 560

The nurse is administering norepinephrine to a patient in shock. What is the most appropriate rationale for administering this medication?

1. To produce vasoconstriction
2. To cause bradycardia and reserve heart function
3. To increase cardiac output
4. To cause the heart's conduction system to work more effectively

Answer: <https://biology-forums.com/index.php?topic=849683>

### Question 561



When explaining a surgical procedure to a patient, the pharmacist tells the patient that a small amount of which drug is sometimes added to the anesthetic solution to lengthen the duration of action of the anesthetic?

1. Epinephrine
2. Diazepam
3. Diphenhydramine
4. Lidocaine

Answer: <https://biology-forums.com/index.php?topic=849443>

### Question 562

A patient is prescribed metronidazole. The pharmacist educates the patient that this medication is prescribed to treat which disorders? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. CNS infections
2. Rosacea
3. Trichomoniasis
4. Amebiasis
5. HIV/AIDS

Answer: <https://biology-forums.com/index.php?topic=849788>

### Question 563

The pharmacist is caring for a patient with psoriasis. Which treatment method would the pharmacist question?

1. Antibiotics
2. Immunosuppressant medications
3. Topical glucocorticoids
4. Emollients

Answer: <https://biology-forums.com/index.php?topic=850128>

### Question 564

A patient states that the physician prescribed a tranquilizer for a sleep disorder. Upon reviewing the prescribed order, the pharmacy technician finds that tranquilizers are often referred to as which type of medication?

1. Sedatives
2. Cannabinoids
3. Alcohol
4. Hallucinogens

Answer: <https://biology-forums.com/index.php?topic=849097>

### Question 565

Estrogens are the drugs most commonly used for treating uterine abnormalities.

Answer: <https://biology-forums.com/index.php?topic=850222>

### Question 566

The pharmacist instructs the client that buspirone has which common side effects?

1. Nausea and vomiting
2. Cognitive impairment
3. Decreased heart rate and blood pressure
4. Dizziness, headache, and drowsiness

Answer: <https://biology-forums.com/index.php?topic=849272>

### Question 567

Which of the following would be an example of negative feedback? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. When the uterus expands in pregnancy, oxytocin is released.
2. When calcium levels raise in the blood, the parathyroid gland shuts off parathyroid hormone.
3. As estrogen levels rise, LH stops being released.
4. As thyroid levels rise, thyroxine stops being released.

Answer: <https://biology-forums.com/index.php?topic=850145>

### Question 568

These are the major storage form of fat in the body and the only type of lipid that serves as an important energy source.

1. Fatty acids
2. Triglycerides

3. Steroids
4. Phospholipids

Answer: <https://biology-forums.com/index.php?topic=849641>

### Question 569

What is an appropriate treatment for a patient with severe malabsorption disease?

1. Enteral therapy
2. TPN
3. Supplements including macro and trace elements
4. Herbal preparations

Answer: <https://biology-forums.com/index.php?topic=850051>

### Question 570

Which preparation of antidiuretic hormone (ADH) is occasionally used by the intranasal route to treat enuresis?

1. Lypressin
2. Vasopressin
3. Betamethasone
4. Desmopressin

Answer: <https://biology-forums.com/index.php?topic=850160>

### Question 571

Dysrhythmias that originate in the ventricles are sometimes referred to as supraventricular.

Answer: <https://biology-forums.com/index.php?topic=849596>

### Question 572

A patient asks the pharmacist to explain why a prescription for calcitriol (Calcijex) has been given when vitamin D is available without a prescription. What is the best response by the pharmacist?

1. "There is no difference between the two."
2. "This will allow you to buy vitamin D and pay your co-payment."
3. "You don't need to fill the prescription. You can buy the over-the-counter vitamin D."
4. "Calcitriol (Calcijex) is the active form of vitamin D, and the over-the-counter calcium is not the same."

Answer: <https://biology-forums.com/index.php?topic=850085>

### Question 573

The basic functions of the nervous system are to? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Recognize changes in the internal and external environments
2. Process and integrate these environmental changes
3. Destroy any foreign invaders
4. React to the environmental changes by producing an action or response

Answer: <https://biology-forums.com/index.php?topic=849220>

### Question 574

The main organ of metabolism is the kidney.

Answer: <https://biology-forums.com/index.php?topic=848979>

### Question 575

The four processes of pharmacokinetics are administration, distribution, metabolism and elimination.

Answer: <https://biology-forums.com/index.php?topic=848967>

### Question 576

There appears to be a genetic component to schizophrenia.

Answer: <https://biology-forums.com/index.php?topic=849345>

### Question 577

The patient asks the pharmacist what common side effects of calcium channel blockers are. What should the pharmacist include in patient teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Headache
2. Constipation

3. Epistaxis
4. Edema of lower extremities
5. Dysuria

Answer: <https://biology-forums.com/index.php?topic=849626>

### Question 578

The biological response modifiers are administered to boost certain functions of the immune system.

Answer: <https://biology-forums.com/index.php?topic=849898>

### Question 579

Natural alternative therapies are agents naturally produced in animal cells, in microorganisms, or by the body itself, such as hormones and vaccines.

Answer: <https://biology-forums.com/index.php?topic=848726>

### Question 580

When a neurotransmitter crosses the synaptic cleft, it usually binds on to a receptor in the post-synaptic neuron in order to continue the message.

Answer: <https://biology-forums.com/index.php?topic=849248>

### Question 581

Cardiac glycosides increase cardiac output by increasing the force of myocardial contraction.

Answer: <https://biology-forums.com/index.php?topic=849564>

### Question 582

The pharmacist teaches the patient that which diseases are associated with dysrhythmias?

(Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Arthritis
2. Hypertension
3. Hyperkalemia
4. Myocardial infarction
5. Diabetes

Answer: <https://biology-forums.com/index.php?topic=849567>

### Question 583

When a patient needs less and less of a drug to feel the effects, the patient has developed tolerance to the drug.

Answer: <https://biology-forums.com/index.php?topic=849153>

### Question 584

The pharmacist explains to the patient why inhalation medications work rapidly. What should the pharmacist include in teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. There is a rich blood supply to the lungs.
2. The inside surface of the lungs is small, and the dose is concentrated in that area.
3. There is a large surface area inside the lungs.
4. Inhaled medications are given at very high doses.
5. Inhaled medications are given with food.

Answer: <https://biology-forums.com/index.php?topic=849846>

### Question 585

The pharmacist is distinguishing differences between malignant and benign tumors. Which tumors would the pharmacist include in the list of benign tumors? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Adenoma
2. Lipoma
3. Carcinoma
4. Sarcoma
5. Melanoma

Answer: <https://biology-forums.com/index.php?topic=849813>

### Question 586

A patient has been prescribed diltiazem, and asks the pharmacist what type of drug this is. Which response by the pharmacist is most appropriate?

1. "A beta blocker."
2. "A sodium channel blocker."

3. "An alpha blocker."
4. "A calcium channel blocker."

Answer: <https://biology-forums.com/index.php?topic=849616>

### Question 587

Agonists are drugs referred to as facilitators of cellular action.

Answer: <https://biology-forums.com/index.php?topic=849051>

### Question 588

What are the therapeutic goals for the pharmacotherapy of HIV/AIDS? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Increase HIV-related morbidity, and prolong survival.
2. Maximum suppression of viral load
3. Improve the quality of life.
4. Prevent the transmission from mother to child in HIV-infected pregnant patients.
5. Prevent the spread of HIV/AIDS.

Answer: <https://biology-forums.com/index.php?topic=849778>

### Question 589

Cancer is a disease characterized by normal, controlled cell division.

Answer: <https://biology-forums.com/index.php?topic=849833>

### Question 590

A pharmacist is teaching pharmacokinetics to the pharmacology class. What statement, made by a student, would show the class understands this term?

1. "Pharmacokinetics is what the body does to a drug."
2. "Pharmacokinetics is how drugs activate specific receptors."
3. "Pharmacokinetics is what a drug does to the body."
4. "Pharmacokinetics is the efficacy of a drug."

Answer: <https://biology-forums.com/index.php?topic=848892>

### Question 591

The pharmacist is instructing the patient about different types of diuretics. What should be included in teaching?

1. All diuretics cause hyperkalemia.
2. Diuretics do not cause potassium to be lost in the urine.
3. Thiazide and loop diuretics cause potassium to be lost in the urine.
4. All diuretics cause potassium to be lost in the urine.

Answer: <https://biology-forums.com/index.php?topic=849702>

### Question 592

A patient has been prescribed a loop diuretic and instructed to eat foods rich in potassium. Which foods are rich in potassium? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Bananas
2. Milk
3. Salmon
4. Bread
5. Rice

Answer: <https://biology-forums.com/index.php?topic=849521>

### Question 593

Symptoms of hypothyroidism in adults include slowed body metabolism, fatigue, slurred speech, bradycardia, weight gain, low body temperature, and intolerance to cold environments.

Answer: <https://biology-forums.com/index.php?topic=850179>

### Question 594

What are important characteristics of vitamins that the pharmacist should include in patient teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Provitamins are supplied in the diet.
2. Vitamins are similar in the nutritional roles they play.

3. Disease results when vitamins are not present in adequate amounts.
4. The body synthesizes necessary vitamins.
5. Vitamins can be taken as often as necessary.

Answer: <https://biology-forums.com/index.php?topic=850028>

### Question 595

The patient asks the pharmacist how to control hypertension without taking medications. Which teaching topics would be appropriate for the pharmacy technician to include? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Increase exercise.
2. Decrease sodium intake.
3. Stop smoking.
4. Increase weight if overweight.
5. Increase intake of dietary fat.

Answer: <https://biology-forums.com/index.php?topic=849505>

### Question 596

Osteomalacia, or rickets, is a disorder characterized by softening of bones without alteration of basic bone structure

Answer: <https://biology-forums.com/index.php?topic=850106>

### Question 597

The pharmacist is caring for a patient who is scheduled to receive several vaccinations. Which vaccine is an example of a live attenuated vaccine?

1. Measles, mumps and rubella vaccine
2. Tetanus toxoid
3. Hepatitis A vaccine
4. Influenza

Answer: <https://biology-forums.com/index.php?topic=849892>

### Question 598

These type of drugs produce a response when they bind to the receptor:

1. Antagonists
2. Agonists
3. Blockers
4. Competitors

Answer: <https://biology-forums.com/index.php?topic=849013>

### Question 599

A patient asks the pharmacy technician to explain the difference between stable and unstable angina. What is the best response by the pharmacy technician?

1. "Stable angina is predictable in its frequency, intensity, and duration. Unstable angina is when angina episodes become more frequent or severe, and occur during periods of rest."
2. "Unstable angina is caused by spasms of the coronary arteries. Stable angina is when angina episodes become more frequent or severe, and occur during periods of rest."
3. "Unstable angina is predictable in its frequency, intensity, and duration. Stable angina is when angina episodes become more frequent or severe, and occur during periods of rest."
4. "Stable angina is caused by spasms of the coronary arteries. Unstable angina is when angina episodes become more frequent or severe, and occur during periods of rest."

Answer: <https://biology-forums.com/index.php?topic=849605>

### Question 600

Prolonged or severe diarrhea, especially in children, can result in significant loss of body fluids and electrolytes so medications may be indicated.

Answer: <https://biology-forums.com/index.php?topic=850000>

### Question 601

The pharmacist instructs the patient receiving a dopamine system stabilizer that which side effects are possible? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Headache
2. Diarrhea
3. Constipation
4. Nausea
5. Vomiting

Answer: <https://biology-forums.com/index.php?topic=849327>

### Question 602

Acetaminophen is a common and safe drug used to treat inflammation.

Answer: <https://biology-forums.com/index.php?topic=849436>

### Question 603

A patient has a heart rate of 130 beats per minute. How does the pharmacist plan to document this heart rate in the patient record?

1. Atrial fibrillation.
2. Bradycardia.
3. Tachycardia.
4. Premature ventricular contraction.

Answer: <https://biology-forums.com/index.php?topic=849572>

### Question 604

This sublayer of the epidermis supplies the epidermis with new cells after older superficial cells have been damaged or lost by normal wear.

1. Stratum corneum
2. Stratum germinativum
3. Hypodermis
4. Melanocytes

Answer: <https://biology-forums.com/index.php?topic=850113>

### Question 605

What type of drug is Botulinum toxin type A and botulinum toxin type B?

1. Peripherally acting antispasmodic
2. Indirect-acting antispasmodic
3. Centrally acting antispasmodic
4. Direct-acting antispasmodic

Answer: <https://biology-forums.com/index.php?topic=850065>

### Question 606

Medications are available that have the potential to cure heart failure in a large percentage of patients.

Answer: <https://biology-forums.com/index.php?topic=849562>

### Question 607

The pharmacist teaches a female client the importance of not smoking while taking oral contraceptives. Which statement by the patient indicates understanding?

1. "I can only smoke half a pack per day."
2. "Smoking increases the risk of cardiovascular problems."
3. "There is no problem with smoking."
4. "I should stop smoking if I get pregnant."

Answer: <https://biology-forums.com/index.php?topic=849123>

### Question 608

Drugs such as ramipril, losartan, and codeine are called prodrugs because they:

1. Require the liver to metabolize the drug in order to make it inactive
2. Require enterohepatic recirculation in order to be active
3. Need other drugs to be taken at the same time to "turn them on" and make them active
4. Require metabolism in order to become active in the body

Answer: <https://biology-forums.com/index.php?topic=848935>

### Question 609

The class of drug of choice to treat nervous tension and anxiety would be a benzodiazepine.

Answer: <https://biology-forums.com/index.php?topic=849283>

### Question 610

A patient has been prescribed an immunosuppressant. The patient asks the pharmacy technician, "Which of my medications is an immunosuppressant?" What is the most appropriate response by the pharmacy technician?

1. Ibuprofen

2. Cortisone
3. Cyclosporine
4. Prednisone

Answer: <https://biology-forums.com/index.php?topic=849888>

### Question 611

A schizophrenic patient is being assessed by the pharmacist. The patient is demonstrating positive symptoms. Which symptoms would be considered positive? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hallucinations
2. Lack of interest
3. Disorganized thoughts
4. Lack of responsiveness
5. Disorganized speech

Answer: <https://biology-forums.com/index.php?topic=849313>

### Question 612

Within the pharmacology section of the product monograph, the following would be discussed (select all that apply):

1. Mechanisms of action
2. Dosing
3. Conditions in which to use the product
4. Pharmacokinetics

Answer: <https://biology-forums.com/index.php?topic=849199>

### Question 613

The patient with angina is being discharged to home. The pharmacist is instructing the patient on dietary changes. What should be included in this teaching?

1. Decrease salt and fat intake and limit alcohol intake.
2. There are no dietary restrictions for a person diagnosed with angina.
3. Limit alcohol and fat intake and increase sodium intake.
4. Increase salt and fat intake and limit alcohol intake.

Answer: <https://biology-forums.com/index.php?topic=849609>

### Question 614

A patient asks about using aloe vera for eye irritation. What will the pharmacist recommend for the patient to obtain a therapeutic effect?

1. That the patient refrain from using this natural alternative
2. Placing aloe in the eye
3. Treating the areas around the eyes
4. Asking for a prescription for an anti-inflammatory medication instead

Answer: <https://biology-forums.com/index.php?topic=849920>

### Question 615

A patient with a history of depression is having a thyroidectomy. The patient informs the pharmacist about the use of herbal remedies for depression. What drug would the anesthetist need to know about prior to surgery?

1. Saint John's Wort
2. Comfrey
3. Senna
4. Echinacea

Answer: <https://biology-forums.com/index.php?topic=849446>

### Question 616

Which adverse effects does the pharmacist anticipate for a patient who is receiving long-term therapy with corticosteroids? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Delayed wound healing
2. Diarrhea
3. Increased risk for infections
4. Sodium retention
5. Nausea

Answer: <https://biology-forums.com/index.php?topic=850155>

### Question 617

What is the goal of Methadone Maintenance Treatment Programs (MMTP) in Canada?

1. Treat CNS depressant dependency with the use of methadone.
2. Treat opioid dependency with the use of methadone.
3. Treat addiction by increasing counselling and increasing the availability of rehabilitation centres.
4. Treat opioid dependency by making their illegal opioid more inaccessible.

Answer: <https://biology-forums.com/index.php?topic=849141>

### Question 618

Haloperidol has been prescribed for an elderly patient. What does the pharmacist expect in regards to the initial dose?

1. Two times the adult dose
2. One-half the adult dose
3. Withheld due to patient age
4. The same as an adult dose

Answer: <https://biology-forums.com/index.php?topic=849322>

### Question 619

A patient has been diagnosed with hyperkalemia. Which medication would the pharmacist expect to give?

1. Potassium chloride
2. Furosemide
3. Calcium carbonate
4. Sodium polystyrene sulfate

Answer: <https://biology-forums.com/index.php?topic=849716>

### Question 620

A patient is taking aspirin asks the pharmacist how long the anticoagulant effect of a single dose of aspirin can last. Which reply by the pharmacist is the most appropriate?

1. "The anticoagulant effect of a single dose of aspirin can last for as long as a week."
2. "The anticoagulant effect of a single dose of aspirin can last for as long as a day."
3. "The anticoagulant effect of a single dose of aspirin can last for as long as 12 hours."
4. "The anticoagulant effect of a single dose of aspirin can last for as long as a month."

Answer: <https://biology-forums.com/index.php?topic=849480>

### Question 621

In osteoporosis, bone deposition is greater than bone resorption.

Answer: <https://biology-forums.com/index.php?topic=850109>

### Question 622

Parkinson's disease is due to an imbalance between dopamine and acetylcholine.

Answer: <https://biology-forums.com/index.php?topic=849352>

### Question 623

The patient complains of frequent urination at night since starting diuretic therapy. What should the pharmacist teach this patient to alleviate this symptom?

1. Decrease fluid intake.
2. Increase sodium intake.
3. Don't worry; this is an expected effect.
4. Take the medication earlier in the day.

Answer: <https://biology-forums.com/index.php?topic=849724>

### Question 624

The patient asks the pharmacist what are possible treatments for influenza. Which treatments should the pharmacist include in patient teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Oseltamivir
2. Valacyclovir
3. Amantadine
4. Zanamivir
5. Nystatin

Answer: <https://biology-forums.com/index.php?topic=849787>



### Question 625

The patient receives lorazepam for chronic anxiety. The pharmacist determines that medication education has been most effective when the patient makes which statement?

1. "I will probably always need this medication for my anxiety."
2. "This medication will help me relax so I can focus on problem solving."
3. "This medication is not addictive."
4. "My anxiety will be eliminated when I take this medication."

Answer: <https://biology-forums.com/index.php?topic=849275>

### Question 626

Increasing salt and alcohol consumption can help control heart failure without drugs.

Answer: <https://biology-forums.com/index.php?topic=849563>

### Question 627

Fluid replacement drugs are sometimes referred to as fluid expanders.

Answer: <https://biology-forums.com/index.php?topic=849697>

### Question 628

Which medications increase the outflow of aqueous humor? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Miotics
2. Sympathomimetics
3. Prostaglandins
4. Beta blockers
5. Prostaglandins

Answer: <https://biology-forums.com/index.php?topic=849910>

### Question 629

The pharmacist is caring for a patient who has been diagnosed with angina. Which drug classes are used to treat angina? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Calcium channel blockers
2. Organic nitrates
3. Alpha blockers
4. Beta blockers
5. Diuretics

Answer: <https://biology-forums.com/index.php?topic=849629>

### Question 630

The physician orders a potassium channel blocker for a patient. Which medication would the pharmacist anticipate the physician to order?

1. Amiodarone
2. Lisinopril
3. Lidocaine
4. Verapamil

Answer: <https://biology-forums.com/index.php?topic=849587>

### Question 631

The patient asks the pharmacy technician which OTC pain medications are used to treat inflammation. Which responses by the pharmacist are most appropriate? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. ASA
2. Acetaminophen
3. Ibuprofen
4. Naproxen sodium
5. Diphenhydramine

Answer: <https://biology-forums.com/index.php?topic=849420>

### Question 632

Which medication has less EPS and anticholinergic symptoms than haloperidol?

1. Chlorpromazine

2. Loxapine
3. Perphenazine
4. Aripiprazole

Answer: <https://biology-forums.com/index.php?topic=849319>

### Question 633

Which routes are appropriate for the nurse to use when administering enteral medications? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Medications given subcutaneously
2. Medications given orally
3. Medications given sublingually
4. Medications given via nasogastric tube

Answer: <https://biology-forums.com/index.php?topic=848846>

### Question 634

A patient has been prescribed propranolol for a dysrhythmia. Which side effects might be related to propranolol? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Bradycardia
2. Tachycardia
3. Hypertension
4. Hypotension
5. Hyperglycemia

Answer: <https://biology-forums.com/index.php?topic=849578>

### Question 635

What are the indications for vitamin therapy? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Heart disease
2. Pregnancy
3. Alcoholism
4. Chronic kidney disease
5. Hypertension

Answer: <https://biology-forums.com/index.php?topic=850035>

### Question 636

A patient with benign prostatic hypertrophy (BPH) is started on the alpha blocker, terazosin. The pharmacist knows it is important to inform the client of which possible side effect?

1. Impotence
2. Diaphoresis
3. Dental caries
4. Constipation

Answer: <https://biology-forums.com/index.php?topic=849230>

### Question 637

HAART stands for highly acquired antiviral therapy.

Answer: <https://biology-forums.com/index.php?topic=849801>

### Question 638

A low fat, low salt diet including daily exercise greatly aid in reducing elevated blood pressure.

Answer: <https://biology-forums.com/index.php?topic=849531>

### Question 639

The nurse is preparing to administer dopamine for a patient who is experiencing cardiogenic and hypovolemic shock. Which effects does the nurse anticipate will occur? (Select all that apply.)

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Effects depend on the dose.
2. An increase of renal blood flow
3. An increase of cardiac output
4. Hypotension
5. Decreased urine output

Answer: <https://biology-forums.com/index.php?topic=849684>

### Question 640

Inhibition of the parasympathetic nervous system is caused by which type of drug? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Anticholinergics
2. Sympathomimetics
3. Parasympathomimetics
4. Cholinergic blocks
5. Sympathomimetic blockers

Answer: <https://biology-forums.com/index.php?topic=849241>

### Question 641

An alpha adrenergic agonist would be used to vasoconstrict blood vessels and to decongest your nasal passages.

Answer: <https://biology-forums.com/index.php?topic=849253>

### Question 642

A fever results when the pituitary becomes reset to maintain the body at a new temperature that is higher than the normal temperature of 37°C.

Answer: <https://biology-forums.com/index.php?topic=849433>

### Question 643

Angiotensin II normally raises blood pressure by:

1. increasing peripheral resistance and causing excretion of sodium and water
2. increasing peripheral resistance and causing retention of sodium and water
3. decreasing peripheral resistance and causing excretion of sodium and water
4. decreasing peripheral resistance and causing retention of sodium and water

Answer: <https://biology-forums.com/index.php?topic=849504>

### Question 644

The pharmacist is caring for a patient with herpes simplex virus. Which medication would the pharmacist expect the physician to order for this patient?

1. Metronidazole
2. Zidovudine
3. Acyclovir
4. Nystatin

Answer: <https://biology-forums.com/index.php?topic=849776>

### Question 645

If a substrate is taken with an inhibitor of the same isoenzyme, the result would be:

1. An accumulation of the inhibitor in the body
2. An accumulation of the substrate in the body
3. A decrease in the inhibitor in the body.
4. A decrease in the substrate in the body.

Answer: <https://biology-forums.com/index.php?topic=849037>

### Question 646

The pharmacist is preparing to discuss an antifungal medication nystatin with an adult patient. The pharmacist also has a PO medication to dispense to this patient. How should the patient take these medications?

1. Give the PO medication first.
2. Give the PO medicine to the patient, and allow the patient to swallow the medication with the nystatin.
3. Give the nystatin first.
4. It does not matter which medication is given first.

Answer: <https://biology-forums.com/index.php?topic=849792>

### Question 647

The pharmacist is caring for a patient who is experiencing a hypertensive crisis. Which medication does the pharmacist anticipate, as it is the drug of choice for this condition?

1. Nitroprusside
2. Enalapril
3. Diltiazem

4. Lisinopril

Answer: <https://biology-forums.com/index.php?topic=849524>

### Question 648

Potassium channel blockers initiate the depolarization of the impulse.

Answer: <https://biology-forums.com/index.php?topic=849601>

### Question 649

Administration of vaccine or exposure to an antigen stimulates the body to produce antibodies and memory cells. This is called passive immunity.

Answer: <https://biology-forums.com/index.php?topic=849897>

### Question 650

Organisms isolated from the specimens are grown in the laboratory and identified then various antibiotics are tested against those organisms. This is referred to as culture and sensitivity testing.

Answer: <https://biology-forums.com/index.php?topic=849764>

### Question 651

The pharmacist is caring for a patient who has been using barbiturates at high doses for a long period of time. What does the pharmacist expect when assessing this client? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Tremors
2. Tolerance
3. Psychological dependence
4. Physical dependence
5. Hallucinations

Answer: <https://biology-forums.com/index.php?topic=849099>

### Question 652

This drug would shorten the time it takes to fall asleep and increase your total sleep time:

1. methylphenidate
2. triazolam
3. phenylephrine
4. pseudoephedrine

Answer: <https://biology-forums.com/index.php?topic=849278>

### Question 653

The patient is going to be started on cholestyramine three times daily. What instruction should the pharmacist provide to this patient?

1. Take with large amounts of fluid.
2. Take in the morning.
3. Take with food.
4. Take without food.

Answer: <https://biology-forums.com/index.php?topic=849653>

### Question 654

When components of bile are circulated back to the liver from the intestines, this is referred to as

1. Elimination
2. Enterohepatic recirculation
3. Hepatic portal vein circulation
4. First-pass effect

Answer: <https://biology-forums.com/index.php?topic=848949>

### Question 655

A patient has been prescribed penicillin. Which serious adverse effect will the pharmacist monitor for upon assessment?

1. Bradycardia
2. Hemorrhage
3. Anaphylaxis
4. Tachycardia

Answer: <https://biology-forums.com/index.php?topic=849744>

### Question 656

What is the name of the part of the synapse where neurotransmitters are released from?

1. The synaptic cleft
2. The presynaptic neuron
3. The postsynaptic neuron
4. The receptor

Answer: <https://biology-forums.com/index.php?topic=849224>

### Question 657

A patient has been diagnosed with rheumatoid arthritis. Which medication would be appropriate to treat this patient?

1. Hydroxychloroquine
2. Probenecid
3. Allopurinol
4. Sulfapyrazone

Answer: <https://biology-forums.com/index.php?topic=850089>

### Question 658

Trissel's Handbook of Injectable Drugs is the premier reference for compatibility, stability, storage, and preparation of parenteral drugs.

Answer: <https://biology-forums.com/index.php?topic=849214>

### Question 659

The autonomic nervous system is primarily divided into the sympathetic nervous system and the somatic nervous system

Answer: <https://biology-forums.com/index.php?topic=849245>

### Question 660

An example of an analgesic commonly used to treat neuropathic pain would be pregabalin.

Answer: <https://biology-forums.com/index.php?topic=849435>

### Question 661

The innate defences are nonspecific so the protection is the same regardless of the pathogen.

Answer: <https://biology-forums.com/index.php?topic=849895>

### Question 662

Drugs are chemical agents that produce biologic responses within the body.

Answer: <https://biology-forums.com/index.php?topic=848722>

### Question 663

The pharmacist is teaching a patient about the adverse effects of anticancer drugs. Which topics should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Fatigue
2. Increase appetite
3. Alopecia
4. Anemia
5. Weight gain

Answer: <https://biology-forums.com/index.php?topic=849828>

### Question 664

Which of the following can be antigens? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Pollen,
2. Bacteria
3. Viruses
4. Cancerous cells

Answer: <https://biology-forums.com/index.php?topic=849879>

### Question 665

With chronic substance abuse, patients will often associate their conditions and surroundings—including social contacts with other users—with use of the drug. Removing themselves from these conditions or surroundings is referred to as conditioned withdrawal.

Answer: <https://biology-forums.com/index.php?topic=849151>

### Question 666

Rheumatoid arthritis is known as the wear-and-tear disease.  
Answer: <https://biology-forums.com/index.php?topic=850110>

### Question 667

The patient reports severe headaches that are preceded by flashing lights and strange smells. How would the pharmacist appropriately document this phenomenon?  
1. An aura of a migraine  
2. A tension headache  
3. An adverse reaction to acetaminophen  
4. Combining food with NSAIDs  
Answer: <https://biology-forums.com/index.php?topic=849411>

### Question 668

A drug such as cromolyn stabilizes the mast cell and is used to prevent asthma.  
Answer: <https://biology-forums.com/index.php?topic=849876>

### Question 669

Which of the following is a true statement regarding angina pectoris?  
1. The same as a myocardial infarction  
2. Severe chest pain caused by lack of oxygen to the heart muscle  
3. An irregular heart beat causing a decreased cardiac output  
4. An overload of fluid causing a backup of blood in the ventricles  
Answer: <https://biology-forums.com/index.php?topic=849603>

### Question 670

The pharmacy technician recognizes the need for further teaching when the patient makes which statement?  
1. "I will check my weight gain/loss regularly."  
2. "I'll make sure to take my high-blood pressure pills."  
3. "I am going to a smoking cessation class."  
4. "As long as I exercise, stress at my job will not bother me."  
Answer: <https://biology-forums.com/index.php?topic=849608>

### Question 671

The pharmacist is caring for a patient who is experiencing shock. Which fluid replacement agents does the pharmacist anticipate will be used when providing care? (Select all that apply.)  
Note: Credit will be given only if all correct choices and no incorrect choices are selected.  
1. Crystalloids  
2. Colloids  
3. Water  
4. Blood products  
5. Oral hydration products  
Answer: <https://biology-forums.com/index.php?topic=849679>

### Question 672

Stimulation of the sympathetic nervous system is caused by which type(s) of drug? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.  
1. Adrenergic agents  
2. Parasympathomimetics  
3. Sympathomimetics  
4. Cholinergic agents  
5. Autonomic agents  
Answer: <https://biology-forums.com/index.php?topic=849236>

### Question 673

When simvastatin (substrate), a cholesterol-lowering product, is combined with grapefruit juice (inhibitor), it results in a decreased level of simvastatin in the body.  
Answer: <https://biology-forums.com/index.php?topic=849059>

### Question 674

A patient is in chronic renal failure. Based on this diagnosis, what would the pharmacist anticipate the patient might require regarding medications?

1. Higher dosages of medications than would a patient with normally functioning kidneys
2. The same medication dosage as would a patient with normally functioning kidneys
3. A significant dosage reduction in most medications
4. A kidney transplant

Answer: <https://biology-forums.com/index.php?topic=849700>

### Question 675

Insulin regular is a short acting insulin while insulin detemir is a long acting insulin.

Answer: <https://biology-forums.com/index.php?topic=850186>

### Question 676

This term means new swelling, abnormal enlargement, or mass:

1. Malignant
2. Neoplasm
3. Benign
4. Metastasis

Answer: <https://biology-forums.com/index.php?topic=849806>

### Question 677

Claims of chronic pain with uncertain etiology, referred to as drug seeking behavior, is a typical feature indicating an opioid drug addiction.

Answer: <https://biology-forums.com/index.php?topic=849173>

### Question 678

Virus are tiny organisms that are larger than bacteria.

Answer: <https://biology-forums.com/index.php?topic=849798>

### Question 679

What is dysfunctional uterine bleeding and how it is treated?

Answer: <https://biology-forums.com/index.php?topic=850231>

### Question 680

Drug therapy for osteoporosis would include calcium and vitamin D, estrogen, and bisphosphonates.

Answer: <https://biology-forums.com/index.php?topic=850107>

### Question 681

The chief cells that line the surface of the stomach secrete a thick mucus layer and bicarbonate to protect the stomach from hydrochloric acid.

Answer: <https://biology-forums.com/index.php?topic=849986>

### Question 682

A drug that increases the amount and activity of that specific CYP450 isoenzyme is called:

1. An inhibitor
2. An inducer
3. A substrate
4. An agonist

Answer: <https://biology-forums.com/index.php?topic=849033>

### Question 683

Addiction to opioids can occur rapidly, and withdrawal can produce intense symptoms.

Answer: <https://biology-forums.com/index.php?topic=849169>

### Question 684

The patient asks the pharmacist why an ACE inhibitor has been prescribed following a MI. What is the best response by the pharmacist?

1. "This medication will lower your potassium level."
2. "ACE inhibitors have been found to reduce mortality following MI."
3. "ACE inhibitors are always prescribed with a beta blocker and calcium channel blocker following a MI."

4. "This medication will treat your hypotension."

Answer: <https://biology-forums.com/index.php?topic=849623>

### Question 685

What are the medical terms for the layers of the skin? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Epidermis
2. Stratum corneum
3. Dermis
4. Hypodermis
5. Integumentary

Answer: <https://biology-forums.com/index.php?topic=850112>

### Question 686

Which statement made by the pharmacist regarding topical medications is the most appropriate when referring to the desired reaction?

1. The desired reaction is absorption of the medication into the circulation.
2. The desired reaction is a specified rate of delivery.
3. The desired reaction is fewer side effects but a local effect.
4. The desired reaction is systemic absorption through the skin.

Answer: <https://biology-forums.com/index.php?topic=848858>

### Question 687

The pharmacist is caring for a patient who is diagnosed with glaucoma. The patient wants to know why this condition can lead to blindness. What is the best response by the pharmacist?

1. The fluid in the eye blocks the optic nerve.
2. Pressure around the optic nerve builds over time.
3. The optic nerve cannot transmit signals with glaucoma.
4. The optic nerve atrophies.

Answer: <https://biology-forums.com/index.php?topic=849906>

### Question 688

A patient is taking finasteride. Why does the pharmacist anticipate that this medication is being prescribed for male-pattern baldness and not benign prostatic hypertrophy (BPH)?

1. Taking a smaller dose
2. Using a topical preparation of the drug
3. Taking a larger dose
4. Using it on an as-needed basis

Answer: <https://biology-forums.com/index.php?topic=850208>

### Question 689

The pharmacist is providing education about fat-soluble and water-soluble vitamins. What is a significant difference that the pharmacist should include in the teaching session?

1. Water-soluble vitamins are A and D.
2. Fat-soluble vitamins cannot be stored for later use.
3. Excess water-soluble vitamins are excreted in the urine.
4. Water-soluble vitamins can be toxic if stored in excess.

Answer: <https://biology-forums.com/index.php?topic=850018>

### Question 690

Which medications are the first choices of pharmacotherapy for heart failure? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Beta-adrenergic blockers
2. Phosphodiesterase inhibitors
3. ACE inhibitors
4. Diuretics
5. Alpha blockers

Answer: <https://biology-forums.com/index.php?topic=849538>

### Question 691

A patient asks if a benign tumor is cancerous. What is the best response by the pharmacist?



1. No, these rarely require drug treatment.
2. No, but if surgically removed, it will grow back.
3. Yes, this word is often used interchangeably with tumor.
4. Yes, these grow rapidly and can become resistant to treatment.

Answer: <https://biology-forums.com/index.php?topic=849812>

### Question 692

A dose higher than normal, such as a double dose, is given in order to reach the therapeutic range faster. This dose is referred to as:

1. The maintenance dose
2. The toxic dose
3. The effective dose
4. The loading dose

Answer: <https://biology-forums.com/index.php?topic=848963>

### Question 693

A patient has been prescribed phenobarbital. What are the side effects of phenobarbital? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hypertension
2. Vitamin deficiencies
3. Drowsiness
4. Tachycardia
5. Bradycardia

Answer: <https://biology-forums.com/index.php?topic=849372>

### Question 694

The patient is receiving dextran 40 as a fluid replacement agent. What is the mechanism of action for this solution?

1. It replaces electrolytes.
2. It increases osmotic pressure.
3. It leaves the blood and enters cells.
4. It promotes urine output.

Answer: <https://biology-forums.com/index.php?topic=849719>

### Question 695

The patient has been prescribed furosemide. What condition does this medication cause?

1. Hyperkalemia
2. Increased blood pressure
3. Increased respirations
4. Hypokalemia

Answer: <https://biology-forums.com/index.php?topic=849519>

### Question 696

Azathioprine is an example of a biologic response modifier.

Answer: <https://biology-forums.com/index.php?topic=849901>

### Question 697

Which disorders are associated with an increased risk for heart failure? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Diabetes
2. Coronary artery disease
3. Chronic hypertension
4. Myocardial infarction
5. Renal insufficiency

Answer: <https://biology-forums.com/index.php?topic=849534>

### Question 698

UVB (ultraviolet B) and UVA (ultraviolet A) phototherapy are techniques used in cases of severe psoriasis. The pharmacist correctly instructs the patient that which type is less hazardous?

1. Neither is hazardous.
2. UVB (ultraviolet B)
3. UVA (ultraviolet A)

4. Both are the same.

Answer: <https://biology-forums.com/index.php?topic=850136>

### Question 699

The pharmacist is providing education to sexually active adolescents. Which contraceptive will the pharmacist include in the section regarding long-term formulations? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Medroxyprogesterone acetate
2. Ethinyl estradiol and levonorgestrel
3. Ethinyl estradiol and norelgestromin
4. Estrogen and progestin
5. Ortho-Novum 7/7/7

Answer: <https://biology-forums.com/index.php?topic=850215>

### Question 700

The six rights of drug administration is the right patient gets the right drug via the right route at the right dose and time, followed by the right documentation.

Answer: <https://biology-forums.com/index.php?topic=848873>

### Question 701

What instruction should the pharmacist provide to a patient who is taking medications for dementia?

1. Take any OTC medication needed.
2. Report any changes in urine color immediately.
3. Be extremely careful about getting up quickly from a seated position.
4. Never take with high-fat foods.

Answer: <https://biology-forums.com/index.php?topic=849335>

### Question 702

Hyperglycemia may occur when insulin levels peak, during exercise, when the patient receives too much insulin as a result of a medication error, or if the patient skips a meal.

Answer: <https://biology-forums.com/index.php?topic=850187>

### Question 703

The pharmacist is caring for a patient with epilepsy. The patient informs the pharmacist that she is pregnant. What condition should the pharmacist warn this patient about?

1. Vitamin C deficiency
2. Anemia
3. Decreased oxygen
4. Folate deficiency

Answer: <https://biology-forums.com/index.php?topic=849365>

### Question 704

The pharmacist is caring for a patient with arthritis. The patient would like to explore the use of an inexpensive natural alternative to anti-inflammatory drugs. Which remedy would the pharmacist recommend?

1. Chondroitin
2. Glucosamine sulfate
3. Echinacea
4. Black cohosh

Answer: <https://biology-forums.com/index.php?topic=850081>

### Question 705

The pharmacist is teaching a patient recently prescribed digoxin. Which teaching point indicates the correct primary action of this medication?

1. It decreases blood pressure.
2. It increases the force of contraction.
3. It decreases the force of contraction.
4. It increases diuresis.

Answer: <https://biology-forums.com/index.php?topic=849546>

### Question 706

A pharmacist is quizzing a group of students who are observing in the surgical suite. The pharmacist asks the students how many stages of

anesthesia there are. Which answer by the students is correct?

1. Two
2. Four
3. Three
4. One

Answer: <https://biology-forums.com/index.php?topic=849450>

### Question 707

A mother of a school-aged child asks the pharmacist why her child continues to have itching with no sign of mites. Which response by the pharmacist is the most appropriate?

1. "You will have to switch to something else besides lindane."
2. "Itching is common, even after the mites have been killed."
3. "The mites are too small to see, and treatment should be continued."
4. "Lindane usually works, but your child must need something stronger."

Answer: <https://biology-forums.com/index.php?topic=850117>

### Question 708

A patient has returned from combat, and is re-experiencing combat in dreams and feels helpless and anxious. What disorder does the pharmacy technician suspect this patient is experiencing?

1. Generalized anxiety disorder
2. Obsessive compulsive disorder
3. Post-traumatic stress disorder
4. Panic disorder

Answer: <https://biology-forums.com/index.php?topic=849260>

### Question 709

The patient is receiving heparin. The pharmacist will monitor which laboratory results to evaluate therapeutic response?

1. INR
2. aPTT
3. BNP
4. PT

Answer: <https://biology-forums.com/index.php?topic=849475>

### Question 710

Viruses are associated with about 15% of all human cancers.

Answer: <https://biology-forums.com/index.php?topic=849834>

### Question 711

The pharmacist is caring for a patient who has a consistent elevation of arterial blood pressure. Which diagnosis does the pharmacist expect for this patient?

1. Hypertension
2. Hypotension
3. Tachycardia
4. Bradycardia

Answer: <https://biology-forums.com/index.php?topic=849495>

### Question 712

The patient is taking furosemide 80mg twice a day. What condition should the pharmacist monitor this patient for?

1. Hyperkalemia
2. Hypercalcemia
3. Hypokalemia
4. Hypocalcemia

Answer: <https://biology-forums.com/index.php?topic=849709>

### Question 713

Blood cells in bone marrow may be destroyed by chemotherapy, causing a reduction in the number of red blood cells (RBCs), white blood cells (WBCs), and platelets, often necessitating discontinuation of chemotherapy.

Answer: <https://biology-forums.com/index.php?topic=849840>

### Question 714

Gram negative bacteria have a thicker cell wall than gram positive bacteria making them more difficult to kill.

Answer: <https://biology-forums.com/index.php?topic=849761>

### Question 715

Monoamine oxidase is inhibited by statins and serves as the primary regulator of cholesterol biosynthesis.

Answer: <https://biology-forums.com/index.php?topic=849667>

### Question 716

The pharmacist is providing education for a patient who is prescribed biphasic oral contraceptives. What does this type of oral contraceptive contain?

1. Constant estrogen with an increase in progestin at the end of the cycle
2. Progestin only
3. Constant amounts of estrogen and progestin
4. Both estrogen and progestin, varying in three distinct phases

Answer: <https://biology-forums.com/index.php?topic=850194>

### Question 717

The pharmacist is providing education to a patient who has recently been diagnosed with cancer. Which statements are true regarding cancer cells?

(Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. The abnormal cells often travel to distant sites where they populate new tumors, a process called metastasis.
2. Cancer cells divide slowly.
3. Cancer cells lose their normal functions.
4. Cancer is thought to result from damage to genes controlling cell growth.
5. Cancer cells don't invade surrounding cells.

Answer: <https://biology-forums.com/index.php?topic=849805>

### Question 718

The pharmacist is caring for a patient who is being seen for sunburn. What should the pharmacist include in education to prevent this from occurring in the future?

1. Lotions to prevent further irritation to the skin
2. Prevention with use of sunscreens, sunglasses, and sufficient clothing
3. Tetanus toxoid to prevent infection
4. Anesthetics for pain reduction

Answer: <https://biology-forums.com/index.php?topic=850118>

### Question 719

A patient has been taking an opioid for pain relief following abdominal surgery. The patient complains of constipation. Which statements indicate understanding by the patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. "I should only take a laxative when necessary."
2. "I should increase fluid intake."
3. "I should strain when I try to have a bowel movement."
4. "I should increase fiber intake."
5. "I should decrease my physical activity."

Answer: <https://biology-forums.com/index.php?topic=849948>

### Question 720

The hypothalamus secretes gonadotropin-releasing hormone which travels to the pituitary to stimulate the secretion of follicle-stimulating hormone and luteinizing hormone which act on the reproductive system.

Answer: <https://biology-forums.com/index.php?topic=850219>

### Question 721

The pharmacist is caring for a patient with psychosis-like symptoms. Which explanation of these symptoms to the family is the most appropriate?

1. The only causes for psychosis are schizophrenia and schizoaffective disorder.
2. Psychotic symptoms are only seen in patients with schizoaffective disorder.
3. Psychosis-like symptoms can be caused by a brain tumor, infection, cocaine use, and schizophrenia.
4. Psychotic symptoms are only seen in patients with schizophrenia.

Answer: <https://biology-forums.com/index.php?topic=849312>

### Question 722

Patients on warfarin should not eat large or inconsistent amounts of foods high in vitamin K (e.g., broccoli) because it interferes with clotting time.

Answer: <https://biology-forums.com/index.php?topic=849493>

### Question 723

Cocaine, the first local anaesthetic widely used for medical procedures, was a natural amide type of anesthetic.

Answer: <https://biology-forums.com/index.php?topic=849459>

### Question 724

Severe systemic opportunistic fungal disease are seen in the following patients (select all that apply):

1. Patients with AIDs
2. Recent transplant patients
3. Patients with bacterial meningitis
4. Patients with extensive burns
5. Patients on chemotherapy

Answer: <https://biology-forums.com/index.php?topic=849771>

### Question 725

What are the risk factors associated with peptic ulcer disease? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Drinking caffeine
2. Family history
3. Blood type A
4. Smoking tobacco
5. Acetaminophen intake for pain

Answer: <https://biology-forums.com/index.php?topic=849941>

### Question 726

If the neuronal threshold is elevated, nerves cannot misfire and cause seizures.

Answer: <https://biology-forums.com/index.php?topic=849384>

### Question 727

Inotropic drugs are administered during shock to maintain blood pressure and vasoconstrictors are useful in reversing the decreased cardiac output that occurs during shock.

Answer: <https://biology-forums.com/index.php?topic=849698>

### Question 728

Which statement regarding onset of action for zolpidem is the most appropriate?

1. Rapidly, and should be taken just before bedtime
2. Four hours after dosing
3. Sixty minutes after dosing
4. Two hours after dosing

Answer: <https://biology-forums.com/index.php?topic=849276>

### Question 729

The patient has a pH of 7.6. Which statements are appropriate based on this pH level?

(Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. The patient should be monitored for nervousness.
2. The patient is alkalotic.
3. The patient should be monitored for drowsiness.
4. The patient is acidotic.
5. The patient should be monitored for seizures.

Answer: <https://biology-forums.com/index.php?topic=849706>

### Question 730

Most diuretic drugs cause sodium, potassium, and water to be excreted in the urine.

Answer: <https://biology-forums.com/index.php?topic=849728>

### Question 731

Since Canadians have adopted the metric system of measurement, there is no need to learn how to convert household or apothecary systems of measurement.

Answer: <https://biology-forums.com/index.php?topic=848883>

### Question 732

The pharmacist is caring for a patient receiving ACE inhibitor therapy for heart failure. Which statements are true regarding ACE inhibitor treatment of heart failure? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. ACE inhibitors lower blood pressure and reduce blood volume by enhancing the excretion of sodium and water.
2. ACE inhibitors decrease cardiac output.
3. ACE inhibitors increase the workload of the heart.
4. ACE inhibitors increase cardiac output.
5. ACE inhibitors decrease the workload of the heart.

Answer: <https://biology-forums.com/index.php?topic=849552>

### Question 733

It is safe to consume energy drinks with alcohol.

Answer: <https://biology-forums.com/index.php?topic=849163>

### Question 734

The accessory organs of digestion include (Select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. the liver,
2. the gallbladder,
3. the stomach
4. the pancreas

Answer: <https://biology-forums.com/index.php?topic=849940>

### Question 735

The pharmacist is providing care to a patient who has been prescribed a beta blocker. Which item in the patient's history does the pharmacist suspect this medication has been prescribed to treat?

1. Increased intraocular pressure
2. Urinary retention
3. Hypertension
4. Hypotension

Answer: <https://biology-forums.com/index.php?topic=849234>

### Question 736

Obsessive-compulsive disorder is characterized by mood swings between two poles.

Answer: <https://biology-forums.com/index.php?topic=849305>

### Question 737

Which type of medication would fall under the Controlled Drugs and Substances Act?

1. ibuprofen
2. morphine
3. amoxicillin
4. acetaminophen

Answer: <https://biology-forums.com/index.php?topic=848783>

### Question 738

The patient has been prescribed acetylcholine chloride. What is a temporary adverse effect the pharmacist will include in the medication teaching?

1. Dryness
2. Photophobia
3. Heightened pigmentation
4. Blurred vision

Answer: <https://biology-forums.com/index.php?topic=849913>

### Question 739

The nervous system is necessary to our body as it supports our skeleton.

Answer: <https://biology-forums.com/index.php?topic=849246>

### Question 740

Which drug is not usually used during an MI?

1. Analgesic to decrease pain and fear
2. Anticoagulant to prevent future blood clots
3. Antifibrinolytic to reduce bleeding
4. Thrombolytic to dissolve the clot
5. ASA to reduce platelet aggregation

Answer: <https://biology-forums.com/index.php?topic=849611>

### Question 741

The patient has been prescribed a vasodilator for the treatment of heart failure. The pharmacist knows there are two vasodilators used to treat heart failure. Which vasodilators does the pharmacist anticipate? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hydralazine
2. Isosorbide dinitrate
3. Lisinopril
4. Carvedilol
5. Furosemide

Answer: <https://biology-forums.com/index.php?topic=849550>

### Question 742

The pharmacist instructs the mother of a school-age child with lice to prevent re-infestation. What should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Comb the infested area after the hair has been dried.
2. Inspect hair shafts daily for at least 1 week after treatment.
3. All material coming in close contact with the patient should be washed or treated with the medication.
4. Cut the hair of the child to 1 inch.
5. Retreat the hair in 30 days.

Answer: <https://biology-forums.com/index.php?topic=850122>

### Question 743

The pharmacist is teaching a patient about medications for seizures. Which items should be included in this teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. If seizure activity continues, a different medication is added in small-dose increments while the dose of the first drug is slowly reduced.
2. The amount is gradually increased until seizure control is achieved, or until drug adverse effects prevent additional increases in dose.
3. Once a medication is selected, the patient is placed on a low initial dose.
4. Seizure medication will be stopped when the seizures have been gone for a month.
5. Seizure medications will be required for the rest of your life.

Answer: <https://biology-forums.com/index.php?topic=849364>

### Question 744

The pharmacist is instructing a group of students about the endocrine system. Which topics should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Thyroid glands
2. Parathyroid glands
3. Pancreas
4. Heart
5. Liver

Answer: <https://biology-forums.com/index.php?topic=850144>

### Question 745

The pharmacist is caring for a pediatric patient who is experiencing a fever. Which medication is not appropriate for the pharmacist to choose when treating this condition?

1. Tylenol
2. Advil
3. Motrin
4. Aspirin

Answer: <https://biology-forums.com/index.php?topic=849407>

### Question 746

The physician ordered amlodipine (Norvasc) 5mg tab PO bid. How should the patient take the medication?

1. One tablet orally four times per day.
2. One tablet orally three times per day.
3. One tablet orally once per day.
4. One tablet orally twice per day.

Answer: <https://biology-forums.com/index.php?topic=848840>

### Question 747

This product is typically given to help reduce the dependence on opioids and reduce the withdrawal effects.

1. Acetaminophen
2. Naloxone
3. Methadone
4. Heroin

Answer: <https://biology-forums.com/index.php?topic=849399>

### Question 748

Urticaria, referred to as itchiness, commonly occurs with allergic reactions.

Answer: <https://biology-forums.com/index.php?topic=850139>

### Question 749

Immunosuppressants are medications given to lessen the immune response after transplantation and, in some cases, they are continued indefinitely at low doses.

Answer: <https://biology-forums.com/index.php?topic=849899>

### Question 750

Which statements regarding prototype drugs are not accurate? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. A pharmacy technician can apply understanding of the effects of a prototype drug to other drugs in the same class.
2. Understanding the effects of the prototype drug does not help the pharmacy technician to understand the effects of other drugs in the same class.
3. The mechanism of action is different for the prototype drug than for other drugs in the same class.
4. The most commonly used drug in a specific class is always the most widely prescribed drug.
5. Prototype drugs rarely cause drug resistance.

Answer: <https://biology-forums.com/index.php?topic=848755>

### Question 751

An epileptic patient may discontinue their medication at any time without side effects.

Answer: <https://biology-forums.com/index.php?topic=849382>

### Question 752

The pharmacist is diagnosed with undernutrition. What should the pharmacist teach the patient regarding the goals of this therapy?

1. Using short-term therapy and counseling
2. Identification of the deficiency and supplying the missing nutrients
3. Using nutritional supplements and medication
4. Treating the cause aggressively and allowing the patient to gain weight

Answer: <https://biology-forums.com/index.php?topic=850049>

### Question 753

The patient takes ginkgo biloba at home for memory impairment. Which statement by the patient indicates that teaching by the pharmacist has been effective?

1. "I can't take any other medication with ginkgo biloba."
2. "I need to be on a low-fat diet while I am taking ginkgo biloba."
3. "Ginkgo biloba will keep me from developing Alzheimer's disease."
4. "I can have increased bleeding if I have to take an anticoagulant drug."

Answer: <https://biology-forums.com/index.php?topic=849340>

### Question 754



The physician has ordered a tricyclic antidepressant for a patient with biological depression. The pharmacist expects to find which medications to be ordered for the patient?

1. Amitriptyline
2. Citalopram
3. Duloxetine
4. Fluoxetine

Answer: <https://biology-forums.com/index.php?topic=849290>

### Question 755

The nurse administered insulin lispro to the patient at 0800. When would the nurse reassess the patient's blood glucose level to monitor for hypoglycemia?

1. 0900 and 1100
2. 1000 and 1400
3. 1400 and 1800
4. 1200 and 1600

Answer: <https://biology-forums.com/index.php?topic=850168>

### Question 756

Why are drugs for respiratory disorders delivered by inhalation? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Because they are less expensive for the patient
2. Because they are easier for patients to take than oral medications.
3. Because they offer a rapid response with less side effects
4. Because of the large surface area and rich blood supply in the lungs

Answer: <https://biology-forums.com/index.php?topic=849847>

### Question 757

Why would a patient benefit from a thiazide diuretic over a loop diuretic?

1. They can be taken on an as-needed basis.
2. They do not cause electrolyte imbalance.
3. Possible dehydration is not a factor.
4. The frequency of adverse effects is much lower.

Answer: <https://biology-forums.com/index.php?topic=849717>

### Question 758

Paralysis of the medulla region in the brain responsible for controlling respiratory and cardiovascular activity occurs during stage 3 of anesthesia.

Answer: <https://biology-forums.com/index.php?topic=849463>

### Question 759

The pharmacy technician teaches a patient that some drugs are frequently abused, and cause an overwhelming feeling that drives someone to use the drug repeatedly. What topic is the pharmacy technician teaching to this client?

1. Addiction
2. Psychological dependence
3. Physical dependence
4. Dependence

Answer: <https://biology-forums.com/index.php?topic=848781>

### Question 760

Marijuana typically causes both physical and psychological dependence.

Answer: <https://biology-forums.com/index.php?topic=849157>

### Question 761

The following substance is important for controlling whether pain signals continue to the brain.

1. Serotonin
2. Substance P
3. Norepinephrine
4. Prostaglandins

Answer: <https://biology-forums.com/index.php?topic=849389>

### Question 762

The ability of an organism to cause infection is called:

1. Its virulence
2. Its pathogenicity
3. Its resistance
4. Its sensitivity

Answer: <https://biology-forums.com/index.php?topic=849733>

### Question 763

The patient is receiving milrinone. Which side effect is potentially life-threatening for this drug?

1. Ventricular dysrhythmia
2. Hypokalemia
3. Hyperkalemia
4. Angioedema

Answer: <https://biology-forums.com/index.php?topic=849551>

### Question 764

The origin of pharmacy can be traced back to Ancient China.

Answer: <https://biology-forums.com/index.php?topic=848710>

### Question 765

The patient has scabies. Where will the pharmacist assess this patient?

1. Waist and armpit areas
2. Across the shoulders and neck area
3. Any skin area
4. Head and groin

Answer: <https://biology-forums.com/index.php?topic=850120>

### Question 766

The pharmacist educates the patient on possible side effects of chemotherapy. What should not be included in the teaching?

1. Nausea
2. Increased red blood cells
3. Hair loss
4. Decreased white blood cells

Answer: <https://biology-forums.com/index.php?topic=849822>

### Question 767

The pharmacist is teaching a patient about systemic medications that are used to treat psoriasis. Which medications are appropriate for the pharmacist to include in this teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Dexamethasone
2. Betamethasone
3. Acitretin
4. Etretinate
5. Diphenhydramine

Answer: <https://biology-forums.com/index.php?topic=850127>

### Question 768

Hydantoins, by increasing the influx of sodium ions, decrease neuronal activity and seizures.

Answer: <https://biology-forums.com/index.php?topic=849383>

### Question 769

The pharmacist is dispensing adenosine to a patient. What is the correct half-life for the medication?

1. 10 days.
2. 10 seconds.
3. 10 hours.
4. 10 minutes.

Answer: <https://biology-forums.com/index.php?topic=849583>

### Question 770

A patient recently diagnosed with ovarian cancer is concerned about alopecia while taking cyclophosphamide. Which response by the patient indicates the effect of teaching regarding this condition?

1. "I don't need to worry about losing my hair."
2. "My hair will probably grow back."
3. "I will never have hair again!"
4. "Wigs only exacerbate the alopecia."

Answer: <https://biology-forums.com/index.php?topic=849821>

### Question 771

When orally administered drugs proceed directly to the liver to be metabolized prior to being distributed throughout the body, this is called:

1. Diffusion
2. The first-pass effect
3. Enterohepatic recirculation
4. Hepatic portal recirculation

Answer: <https://biology-forums.com/index.php?topic=848929>

### Question 772

The pharmacist explains to the female patient the risk factors for osteoporosis. What risk factors should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Lack of adequate vitamin D or calcium in the diet
2. Excessive vitamin D or calcium in the diet
3. Tobacco use
4. High alcohol consumption
5. High caffeine consumption

Answer: <https://biology-forums.com/index.php?topic=850086>

### Question 773

Beta 1 adrenergic agonists are used as bronchodilators.

Answer: <https://biology-forums.com/index.php?topic=849252>

### Question 774

Which of the following is not a goal for the pharmacotherapy of acute MI?

1. Restore blood supply to the damaged myocardium as quickly as possible
2. Increase myocardial oxygen demand with organic nitrates or beta blockers
3. Prevent associated dysrhythmias with antidysrhythmics
4. Reduce post-MI mortality with aspirin and ACE inhibitors

Answer: <https://biology-forums.com/index.php?topic=849610>

### Question 775

A non-selective beta blocker would cause both cardiac and respiratory effects while a selective beta blocker would produce only cardiac effects at normal dosages.

Answer: <https://biology-forums.com/index.php?topic=849258>

### Question 776

Which instruction is most appropriate for a patient who is receiving a bulk-forming laxative?

1. Take with at least two full glasses of water.
2. Decrease food intake.
3. Increase food intake.
4. Decrease water intake.

Answer: <https://biology-forums.com/index.php?topic=849977>

### Question 777

A potassium-sparing diuretic has been prescribed for a patient. Based on this prescription, the pharmacist expects what medication to be ordered?

1. Furosemide
2. Spironolactone
3. Diltiazem
4. Hydrochlorothiazide

Answer: <https://biology-forums.com/index.php?topic=849711>

### Question 778

The pharmacist is caring for a patient receiving furosemide for heart failure. What symptoms will the pharmacist monitor while the patient is receiving this medication?

1. Symptoms of hyperkalemia
2. Symptoms of increased WBCs
3. Symptoms of anemia
4. Symptoms of hypokalemia

Answer: <https://biology-forums.com/index.php?topic=849554>

### Question 779

Reteplase has been ordered for a patient diagnosed with a MI. The pharmacist understands that this drug needs to be administered within which time frame following the onset of symptoms?

1. 45 minutes to 18 hours
2. 30 minutes to 12 hours
3. 90 minutes to 36 hours
4. 60 minutes to 24 hours

Answer: <https://biology-forums.com/index.php?topic=849620>

### Question 780

Acquired resistance develops from taking too high a dose of antibiotics and less likely when smaller doses are administered over a longer period of time.

Answer: <https://biology-forums.com/index.php?topic=849763>

### Question 781

General monographs, shaded in grey and compiled by editorial staff at CPhA, are usually for a class of medications that have been mainly genericized (generic drugs).

Answer: <https://biology-forums.com/index.php?topic=849215>

### Question 782

The patient asks the pharmacist what the first number given in a blood pressure stands for. What is the best response by the pharmacist?

1. "The first number is the diastolic pressure."
2. "The first number is the heart rate."
3. "The first number is the pulse pressure."
4. "The first number is the systolic pressure."

Answer: <https://biology-forums.com/index.php?topic=849499>

### Question 783

The pharmacist is preparing a presentation about antiseizure medications. The pharmacist plans to include the general mechanisms of actions for these medications. Which items would be appropriate to include? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Delaying an influx of sodium ions
2. Stimulating an influx of chloride ions, an effect associated with the neurotransmitter gamma-aminobutyric acid (GABA)
3. Increasing the neuronal firing in the brain
4. Delaying an influx of calcium ions
5. Increasing an influx of potassium ions

Answer: <https://biology-forums.com/index.php?topic=849376>

### Question 784

Which neurotransmitter is released at the target in the sympathetic nervous system?

1. Acetylcholine
2. Dopamine
3. Norepinephrine
4. Serotonin

Answer: <https://biology-forums.com/index.php?topic=849226>

### Question 785

The most common therapy for the management of PUD is a combination of a PPI plus two antibiotics; this is referred to as double therapy.

Answer: <https://biology-forums.com/index.php?topic=849990>

### Question 786

The pharmacist is caring for a patient with depression. The pharmacist recognizes which assessment findings to be symptoms of depression? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Lack of energy
2. Sleep disturbances
3. Feelings of despair
4. Increased energy
5. Euphoria

Answer: <https://biology-forums.com/index.php?topic=849286>

### Question 787

Acute shock is treated as a medical emergency, and the first goal is to replacement fluids.

Answer: <https://biology-forums.com/index.php?topic=849696>

### Question 788

At low doses, which medication selectively increases blood flow to the kidneys?

1. Dopamine
2. Dobutamine
3. Digoxin
4. Norepinephrine

Answer: <https://biology-forums.com/index.php?topic=849691>

### Question 789

All patients perceive pain to the same degree.

Answer: <https://biology-forums.com/index.php?topic=849423>

### Question 790

The pharmacist is dispensing ketoconazole to a patient. What liquid can safely be taken with this medication?

1. Pepsi
2. Apple juice
3. Milk
4. Milkshake

Answer: <https://biology-forums.com/index.php?topic=849793>

### Question 791

A patient enters the Emergency Department with suspected exposure to anthrax. The physician confirms this suspicion and orders the patient an antibiotic. Which medication would the pharmacist expect the physician to order?

1. Penicillin
2. Ciprofloxacin
3. Tetracycline
4. Doxycycline

Answer: <https://biology-forums.com/index.php?topic=849754>

### Question 792

Nausea and vomiting are commonly associated with a wide variety of conditions such as (select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. early pregnancy
2. migraines
3. trauma to the head or abdominal organs
4. middle ear disorders

Answer: <https://biology-forums.com/index.php?topic=849957>

### Question 793

The nurse is preparing to administer thiopental to a patient. Which route of administration is correct?

1. Oral
2. Intravenous
3. Inhaled

4. Topical

Answer: <https://biology-forums.com/index.php?topic=849456>

### Question 794

The pharmacist is caring for a patient who is prescribed ezetimibe. Which teaching by the pharmacist regarding this medication is the most appropriate?

1. It works in the small intestine to block absorption of dietary cholesterol.
2. It causes rhabdomyolysis.
3. It increases LDL levels.
4. It increases triglyceride levels.

Answer: <https://biology-forums.com/index.php?topic=849659>

### Question 795

The pharmacist is teaching a patient about the general goals of chemotherapy. What items should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Control
2. Prevention
3. Cure
4. Palliation
5. Extinction

Answer: <https://biology-forums.com/index.php?topic=849816>

### Question 796

Which statement by the pharmacist is correct regarding treatment with methadone?

1. Methadone can only be safely administered for 1 month.
2. Methadone is only administered when the patient is tempted to use illegal drugs.
3. Methadone can only be administered by IV.
4. Methadone treatment continues for many months or years

Answer: <https://biology-forums.com/index.php?topic=849398>

### Question 797

What instructions are appropriate for the pharmacist to include when teaching a patient ways to prevent "swimmer's ear"?

1. Use of glucocorticoid drops to prevent inflammation
2. Application of 2 percent acetic acid to the ear canal after swimming
3. Gently cleaning the ear canal with a swab to water or debris
4. Use of earwax-dissolving agents to help prevent irritation

Answer: <https://biology-forums.com/index.php?topic=849925>

### Question 798

What is the role of HDL in the body?

1. Deposits cholesterol in the blood vessels.
2. Picks up cholesterol in the blood and other tissues and returns it to the liver.
3. Destroys the cholesterol in the blood vessels
4. Eliminates cholesterol from the body via bile

Answer: <https://biology-forums.com/index.php?topic=849640>

### Question 799

A patient with psoriasis asks the pharmacist if there is a topical therapy that may be used without other medications for psoriasis. Which response by the pharmacist is the most appropriate?

1. Coal tar treatment
2. Cyclosporine
3. Methotrexate
4. Hydroxyurea

Answer: <https://biology-forums.com/index.php?topic=850135>

### Question 800

Which definition best describes the term pharmaceuticals?

1. The science of preparing and dispensing drugs, and a very important part of pharmacotherapy
2. The use of medicine to treat disease
3. Agents naturally produced in animal cells, in microorganisms, or by the body itself.

4. Herbs, natural extracts, vitamins, minerals, and dietary supplements.

Answer: <https://biology-forums.com/index.php?topic=848696>

### Question 801

Overdosing on barbiturates or benzodiazepines is usually fatal.

Answer: <https://biology-forums.com/index.php?topic=849167>

### Question 802

Cyclophosphamide has been prescribed orally for a patient. What is the rationale for why this medication has been prescribed orally for this patient?

1. There are few side effects when given orally.
2. It is only available as a pill.
3. It is one of only a few anticancer drugs that are well absorbed when given orally.
4. The patient has a new diagnosis of cancer.

Answer: <https://biology-forums.com/index.php?topic=849824>

### Question 803

BPH is commonly treated with beta-blockers.

Answer: <https://biology-forums.com/index.php?topic=850227>

### Question 804

The pharmacist educates patients that certain foods provide protective effects against cancer. Which food would the pharmacist include in this teaching?

1. Cod
2. Beef jerky
3. Grits
4. Chicken

Answer: <https://biology-forums.com/index.php?topic=849809>

### Question 805

A patient with schizophrenia exhibits positive and negative symptoms. The pharmacist anticipates which drug to be prescribed for this patient?

1. Chlorpromazine
2. Clozapine
3. Haloperidol
4. Clonidine

Answer: <https://biology-forums.com/index.php?topic=849314>

### Question 806

Certain risk factors increase the incidence of a drug interaction, such as: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. protein binding
2. large therapeutic window,
3. middle age
4. gender

Answer: <https://biology-forums.com/index.php?topic=849023>

### Question 807

Essential hypertension is the elevation of blood pressure that has no determined cause and is the most common type of hypertension.

Answer: <https://biology-forums.com/index.php?topic=849526>

### Question 808

The pharmacist is teaching a patient about age-related changes in the skin. What should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Increase in skin tumors
2. Loss of elasticity
3. Fragile epidermis
4. Loss of hair follicles
5. Reduced ability to sweat

Answer: <https://biology-forums.com/index.php?topic=850114>

### Question 809

A patient with hairy cell leukemia complains of flu-like symptoms including fever, chill, dizziness, and fatigue during the first few weeks of chemotherapy. Which medication on the patient's MAR does the pharmacist anticipate is causing these symptoms?

1. Paclitaxel
2. Letrozole
3. Daunorubicin
4. Interferon alfa-2

Answer: <https://biology-forums.com/index.php?topic=849830>

### Question 810

The pharmacist has been doing medication counselling for the patient receiving lithium. Which statement by the patient indicates that teaching has been effective?

1. "I need to call my physician if I get sick with vomiting and diarrhea."
2. "I need to restrict my intake of salt while I am taking lithium."
3. "I don't need to have my blood checked anymore after I leave the hospital."
4. "I can stop taking my lithium when my moods are stable."

Answer: <https://biology-forums.com/index.php?topic=849304>

### Question 811

What is the goal of HAART?

1. To totally eradicate HIV
2. To reduce the amount of HIV in plasma to its lowest possible level.
3. To increase WBC count
4. To increase mortality

Answer: <https://biology-forums.com/index.php?topic=849780>

### Question 812

Symptoms of shock along with obvious trauma or bleeding would suggest cardiogenic shock.

Answer: <https://biology-forums.com/index.php?topic=849694>

### Question 813

The patient has been taking nicotinic acid. Which adverse effects are common with nicotinic acid? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Chills
2. Hot flashes
3. Goosebumps
4. Flushing
5. Weight gain

Answer: <https://biology-forums.com/index.php?topic=849651>

### Question 814

The aqueous humour drains from the anterior cavity through the trabecular meshwork

Answer: <https://biology-forums.com/index.php?topic=849930>

### Question 815

Which medications decrease the formation of aqueous humor? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Carbonic-anhydride inhibitors
2. Alpha2-adrenergic agents
3. Osmotic diuretics
4. Prostaglandins
5. Beta-blockers

Answer: <https://biology-forums.com/index.php?topic=849911>

### Question 816

Any prescriber in Canada may prescribe methadone.

Answer: <https://biology-forums.com/index.php?topic=849175>



### Question 817

A patient is receiving a local anesthetic. What instruction is most appropriate by the pharmacist?

1. Never take at home.
2. Take only when drowsiness is present.
3. Report any unusual heart palpitations, lightheadedness, drowsiness, or confusion.
4. Allow family members to use as needed.

Answer: <https://biology-forums.com/index.php?topic=849442>

### Question 818

When a flight or fight response is occurring, the following processes are stimulated or increased. (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Digestion
2. Urination
3. Glucose release
4. Heart rate and blood pressure

Answer: <https://biology-forums.com/index.php?topic=849222>

### Question 819

Use of a single drug therapy and rigid dosing schedules are strategies to improve the success of chemotherapy.

Answer: <https://biology-forums.com/index.php?topic=849839>

### Question 820

What happens in the body when blood flow increases and resistance of arteries increases?

1. Blood pressure goes down
2. Blood pressure goes up
3. Blood pressure remains the same
4. The patient dies

Answer: <https://biology-forums.com/index.php?topic=849500>

### Question 821

A patient is undergoing antineoplastic therapy. The nurse, in an effort to minimize the toxic effects of therapy, administers which growth factor?

1. Filgrastim
2. Megestrol acetate
3. Carmustine
4. Teniposide

Answer: <https://biology-forums.com/index.php?topic=849831>

### Question 822

Which medication would cause the pharmacist to caution a patient who is using sildenafil for erectile dysfunction?

1. Progesterone
2. Diltiazem
3. Organic nitrates
4. Atenolol

Answer: <https://biology-forums.com/index.php?topic=850206>

### Question 823

A patient taking carbamazepine for seizures has also been started on isotretinoin/13-cis-retinoic acid. What is this patient at an increased risk for?

1. Seizure activity
2. Cardiovascular disease
3. Hyperglycemia
4. Elevated triglycerides

Answer: <https://biology-forums.com/index.php?topic=850134>

### Question 824

The pharmacist is caring for a patient using amcinonide. What teaching instructions will the pharmacist provide for this patient?

1. Keep a thin layer of medication on the area at all times.
2. Apply the medication to affected areas.
3. Cover the affected area with an adhesive bandage after application with medicine.

4. Monitor for irritation and redness, which are common effects with initial application.

Answer: <https://biology-forums.com/index.php?topic=850132>

### Question 825

A patient is prescribed multiple medications for hypertension. The patient asks the pharmacist which of the medications prescribed is a loop diuretic. Which response by the pharmacist is appropriate?

1. Ramipril
2. Furosemide
3. Metoprolol
4. Amlodipine

Answer: <https://biology-forums.com/index.php?topic=849511>

### Question 826

The patient has just been started on procainamide. The pharmacist will assess for which common side effects?

1. Drowsiness and lethargy
2. GI upset and diarrhea
3. Anxiety and tremors
4. Headache and dizziness

Answer: <https://biology-forums.com/index.php?topic=849580>

### Question 827

Enteral therapy has been initiated on a patient who is now exhibiting nausea and vomiting. Based on this information, what conclusion does the pharmacist reach regarding the nausea and vomiting?

1. It is caused by irritation of the gastric tube along the stomach serosa.
2. It is caused by an allergic reaction to the feeding.
3. It is caused by the type or amount of feeding.
4. It is caused by a viral agent common to patients with feeding tubes.

Answer: <https://biology-forums.com/index.php?topic=850048>

### Question 828

The pharmacist is caring for a patient who is being treated for peptic ulcer disease. Which medication should the patient be taught to avoid?

1. Antacids
2. H<sub>2</sub>-receptor blockers
3. NSAIDs
4. PPIs

Answer: <https://biology-forums.com/index.php?topic=849973>

### Question 829

A patient presents in the Emergency Department with a cardiac dysrhythmia. The pharmacist investigates possible causes of the dysrhythmia. Which items in the patient's medical record could be the cause of the dysrhythmia? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Anxiety
2. Caffeine ingestion
3. Hypoxia
4. Tobacco use
5. Diabetes

Answer: <https://biology-forums.com/index.php?topic=849588>

### Question 830

A patient with cardiac rhythm disturbance is hospitalized during the initial stage of antidysrhythmic therapy. What is the best explanation to the patient about the need for hospitalization?

1. High dosages of medication will have to be administered.
2. Continual ECG monitoring will be necessary.
3. The safety margin of dosing is very narrow.
4. The patient will be able to recover sooner.

Answer: <https://biology-forums.com/index.php?topic=849590>

### Question 831

Which teaching instruction is most appropriate for a patient who has just been prescribed an SSRI?

1. The full therapeutic effect takes one month.

2. Take the medication at bedtime.
3. The depression should improve immediately.
4. There are few side effects of SSRIs.

Answer: <https://biology-forums.com/index.php?topic=849292>

### Question 832

The pharmacist is caring for a patient who experiences heavy menstrual periods. What deficiency does the pharmacist expect this patient to experience?

1. Iron
2. Calcium
3. Potassium
4. Vitamin K

Answer: <https://biology-forums.com/index.php?topic=850030>

### Question 833

Health Canada works in partnership with the provincial and territorial governments to maintain and improve the health of Canadians and to ensure medications are safe to use.

Answer: <https://biology-forums.com/index.php?topic=848806>

### Question 834

The pharmacist is caring for a patient who underwent a kidney transplant. What medication does the pharmacist expect to administer?

1. Cyclosporine
2. Nabumetone
3. Phenytoin
4. Cortisone

Answer: <https://biology-forums.com/index.php?topic=849886>

### Question 835

Which vasoconstrictor is usually associated with the treatment of anaphylaxis?

1. Norepinephrine
2. Epinephrine
3. Dopamine
4. Dobutamine

Answer: <https://biology-forums.com/index.php?topic=849685>

### Question 836

Which medication is used to increase red blood cell production in patients with renal failure?

1. Mannitol
2. Chlorthalidone
3. Epoetin alfa
4. Methazolamide

Answer: <https://biology-forums.com/index.php?topic=849708>

### Question 837

Which statements are true regarding antipsychotic drugs? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Almost all patients are compliant with medications.
2. Antipsychotic drugs do not cure mental illness.
3. Many symptoms of psychosis can be controlled with medication.
4. Antipsychotic drugs cure mental illness.
5. Many patients are noncompliant with medications.

Answer: <https://biology-forums.com/index.php?topic=849326>

### Question 838

The patient is experiencing status epilepticus. What medication does the pharmacist anticipate the health care provider to order for this patient?

1. Clonazepam
2. Gabapentin
3. Diazepam
4. Pregabalin

Answer: <https://biology-forums.com/index.php?topic=849371>

### Question 839

Alternatives or adjuncts to pharmacological therapies for pain would include: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Acupuncture
2. Ibuprofen
3. Chiropractic manipulation
4. Acetaminophen

Answer: <https://biology-forums.com/index.php?topic=849393>

### Question 840

The pharmacist is caring for a patient who is taking an antiviral medication. Which assessment might alert the pharmacist to possible bone marrow suppression? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Bruising
2. Hematuria
3. Temperature of 102°F
4. Decreased appetite
5. Decreased urination

Answer: <https://biology-forums.com/index.php?topic=849794>

### Question 841

The pharmacist is providing education to a patient on a loop diuretic. Which foods high in potassium should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Dried fruits
2. Broccoli
3. Bananas
4. Peanut butter
5. Coffee

Answer: <https://biology-forums.com/index.php?topic=849720>

### Question 842

A classical feature of asthma is narrowing of the blood vessels caused by bronchospasm.

Answer: <https://biology-forums.com/index.php?topic=849873>

### Question 843

The pharmacist is caring for a patient who asks why LDL (low-density lipoprotein) is called the "bad" cholesterol. Which response by the pharmacist is most appropriate?

1. It consists of 50 percent cholesterol.
2. It synthesizes other steroids.
3. It is stored in the tissues.
4. It increases the risk of heart disease.

Answer: <https://biology-forums.com/index.php?topic=849647>

### Question 844

The patient is being educated on monitoring the effects of thyroid medication. Which measurement will the patient monitor to determine the effectiveness of the medication?

1. Blood pressure
2. Temperature
3. Respiratory rate
4. Pulse rate

Answer: <https://biology-forums.com/index.php?topic=850147>

### Question 845

The patient is receiving glipizide once a day. What is the best time of day for the pharmacist to administer this medication?

1. Midday, between meals
2. In the evening
3. In the morning
4. Before the primary meal of the day

Answer: <https://biology-forums.com/index.php?topic=850176>

### Question 846

The pharmacist is preparing a presentation regarding oral hypoglycemic agents that are used to treat type II diabetes. Which medications would the pharmacist discuss when teaching about alpha glucosidase inhibitors? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Acarbose
2. Miglitol
3. Metformin
4. Exenatide
5. Nateglinide

Answer: <https://biology-forums.com/index.php?topic=850174>

### Question 847

A patient asks the pharmacist how to prevent gout. Which responses are appropriate by the pharmacist? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Treatment with anti-gout medications
2. Dietary management
3. Avoidance of drugs that worsen gout
4. Decreased fluid intake
5. Using hypoglycemia medications

Answer: <https://biology-forums.com/index.php?topic=850092>

### Question 848

The patient receives disulfiram and asks the pharmacist what will happen if alcohol is consumed while taking this drug. What is the best response by the pharmacist?

1. "It really depends on how much alcohol you drink."
2. "Headache and nausea or vomiting are the most common effects."
3. "There is a good chance you will become very euphoric."
4. "Most people experience severe depression and suicidal thoughts."

Answer: <https://biology-forums.com/index.php?topic=849129>

### Question 849

Thyroid hormone decreases basal metabolic rate.

Answer: <https://biology-forums.com/index.php?topic=850178>

### Question 850

A patient is receiving IV furosemide. The pharmacist will monitor for which adverse effect?

1. Bradycardia
2. Vomiting
3. Nausea
4. Hypotension

Answer: <https://biology-forums.com/index.php?topic=849713>

### Question 851

The client is taking nifedipine. You are asked to explain how the drug works. Your best response is:

1. Sodium is exchanged in the cell and this causes vasodilatation
2. Calcium is forced into the heart muscle causing a decrease in excitability.
3. Calcium is blocked from entering the cell thus limiting contraction (vasodilation results)
4. Potassium is blocked from entering the cell thus increasing contraction (vasoconstriction results).

Answer: <https://biology-forums.com/index.php?topic=849525>

### Question 852

The patient is ordered to receive a cardiac glycoside. Which vital signs finding would make the pharmacist question administering this medication?

1. Blood pressure 119/66
2. Apical pulse 55 beats per minute
3. Temperature 99.4°F
4. Respirations 12 breaths per minute

Answer: <https://biology-forums.com/index.php?topic=849559>

### Question 853

A patient has been prescribed an IM vitamin D supplement. Which supplement does the pharmacist anticipate will be administered?

1. Calcitriol
2. Calcium gluconate
3. Calcifediol
4. Ergocalciferol

Answer: <https://biology-forums.com/index.php?topic=850084>

### Question 854

Which patient statement indicates a need for further instruction regarding oral contraceptives?

1. "I should stop smoking."
2. "If I miss a dose, I should take it as soon as I remember, or two the next day."
3. "I do not need to perform monthly breast exams while taking an oral contraceptive."
4. "If I miss two consecutive periods, I should contact my doctor."

Answer: <https://biology-forums.com/index.php?topic=850213>

### Question 855

During discharge education, a pharmacy technician tells the patient who is prescribed an adrenergic blocker to notify a health care provider before taking over-the-counter cold, cough, or sinus medication. Which condition does the pharmacy technician expect this patient to have?

1. Hypertension
2. Gastritis
3. Seizures
4. Severe cold

Answer: <https://biology-forums.com/index.php?topic=849231>

### Question 856

The patient asks the pharmacist how local anesthetics work. Which response by the pharmacist is most appropriate?

1. They numb the skin.
2. They block calcium channels.
3. They block sodium channels.
4. They increase sensation.

Answer: <https://biology-forums.com/index.php?topic=849438>

### Question 857

This term means the treatment of disease with medications.

1. Pharmacology
2. Therapeutics
3. Pathophysiology
4. Pharmacotherapeutics

Answer: <https://biology-forums.com/index.php?topic=848677>

### Question 858

The most important journals relevant to Canadian pharmacy practice include? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Canadian Pharmaceutical Journal (CPJ)
2. Canadian Journal of Hospital Pharmacy (CJHP)
3. Pharmacy Practice
4. Medical Post

Answer: <https://biology-forums.com/index.php?topic=849187>

### Question 859

A patient is being admitted to the acute care floor. While obtaining the history, the patient tells the pharmacy technician she is allergic to penicillin. Which medication, if ordered by the physician, would be safe for this patient?

1. Cefaclor
2. Erythromycin
3. Cefprozil
4. Cephalexin

Answer: <https://biology-forums.com/index.php?topic=849752>

### Question 860

The pharmacist is caring for a patient who is diagnosed with hypoglycemia. What information should the pharmacist provide to the patient regarding the role of glucagon in the body?

1. Glucagon decreases blood glucose levels.
2. Glucagon increases blood glucose levels.
3. Glucagon is not manufactured by the body.
4. Glucagon helps maintain fluid balance.

Answer: <https://biology-forums.com/index.php?topic=850163>

### Question 861

Sodium bicarbonate is used to reverse alkalosis while ammonium chloride or sodium chloride with potassium chloride is used to reverse acidosis.

Answer: <https://biology-forums.com/index.php?topic=849731>

### Question 862

Within a population, a dose of medication may produce a dramatic response in one patient while having no effect in another.

Answer: <https://biology-forums.com/index.php?topic=849043>

### Question 863

What type of insulin is administered at bedtime, either with or without another type of insulin?

1. Insulin glargine
2. Isophane insulin suspension
3. Regular insulin
4. NPH 70/30

Answer: <https://biology-forums.com/index.php?topic=850167>

### Question 864

Expectorants suppress your cough.

Answer: <https://biology-forums.com/index.php?topic=849875>

### Question 865

The nurse is preparing to administer IV fluids to her patient. The patient has been ordered a colloid fluid. Which fluid order should the nurse question?

1. Plasma protein fraction
2. Dextran 40
3. Plasmalyte
4. Albumin

Answer: <https://biology-forums.com/index.php?topic=849692>

### Question 866

An accident victim who presented to the Emergency Department 8 hours earlier begins having seizures. Toxicology reports indicate an abnormally high blood alcohol level. Based on this information, what drug does the pharmacist expect to be ordered?

1. Valproic acid
2. Gabapentin
3. Lorazepam
4. Phenytoin

Answer: <https://biology-forums.com/index.php?topic=849374>

### Question 867

The pharmacist is preparing to see a patient exhibiting extrapyramidal adverse effects. The pharmacist expects to see which symptoms? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Dry mouth
2. Akathisia
3. Parkinsonism
4. Tardive dyskinesia
5. Incontinence

Answer: <https://biology-forums.com/index.php?topic=849320>

### Question 868

The pharmacist is educating the mother of an infant with dermatitis regarding long-term effects of the condition. Which teaching point is appropriate for

the pharmacist to pass on to the mother?

1. "If you use the treatment as prescribed, the dermatitis will be cured."
2. "Because your child has dermatitis now, your child will outgrow the symptoms."
3. "Approximately 60 percent of infants with dermatitis have symptoms into adulthood."
4. "Once the dermatitis is clear, your child will have no further problems."

Answer: <https://biology-forums.com/index.php?topic=850116>

### Question 869

If a pregnant women takes a drug, it will not affect the fetus because it is blocked by the blood-placenta barrier.

Answer: <https://biology-forums.com/index.php?topic=848977>

### Question 870

The three factors responsible for blood pressure are:

1. Heart rate, stroke volume and peripheral resistance
2. Cardiac output, peripheral resistance and blood volume
3. Cardiac output, stroke volume and blood volume
4. Heart rate, peripheral resistance and lumen size

Answer: <https://biology-forums.com/index.php?topic=849502>

### Question 871

A patient has been diagnosed with myasthenia gravis and is experiencing severe muscle weakness. The pharmacist teaches the patient that these symptoms are occurring because of the destruction of what receptor?

1. Nicotinic (cholinergic) receptors found in skeletal muscles
2. Norepinephrine (adrenergic) receptors found in skeletal muscle
3. Muscarinic (cholinergic) receptors found in smooth muscle
4. Norepinephrine (adrenergic) receptors found in smooth muscle

Answer: <https://biology-forums.com/index.php?topic=849227>

### Question 872

A patient has been prescribed isoniazid. Which foods should the patient avoid while taking this medication? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Chocolate
2. Bananas
3. White wine
4. Aged cheese
5. Red meat

Answer: <https://biology-forums.com/index.php?topic=849759>

### Question 873

The pharmacist is caring for a patient with absence seizures. Which medication would be appropriate to treat absence seizures?

1. Carbamazepine
2. Pregabalin
3. Valproic acid
4. Gabapentin

Answer: <https://biology-forums.com/index.php?topic=849370>

### Question 874

The pharmacist explains common triggers for asthma attacks to a patient who was recently diagnosed. Which triggers should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Household dust
2. Aspirin
3. Exercise in dry, warm climates
4. Tobacco smoke
5. Acetaminophen

Answer: <https://biology-forums.com/index.php?topic=849852>

### Question 875

The pharmacist is instructing a patient on the proper procedure for taking an extended-release tablet. Which statement by the patient indicates understanding of the instructions?

1. "Because these are extended-release tablets, it is okay to chew them."



2. "Because these are extended-release tablets, it is okay to crush them."
3. "Because these are extended-release tablets, it is okay to break them in half."
4. "Because these are extended-release tablets, I must swallow them whole."

Answer: <https://biology-forums.com/index.php?topic=849417>

### Question 876

The new name of the eCPS site is called:

1. RTx
2. Rx
3. RxTx
4. Tx

Answer: <https://biology-forums.com/index.php?topic=849201>

### Question 877

The pharmacist is teaching a patient about blood pressure regulation. Which structure would the pharmacist include in this teaching session as the structure that regulates blood pressure on a minute-to-minute basis?

1. The liver
2. The kidney
3. The vasomotor center
4. The lungs

Answer: <https://biology-forums.com/index.php?topic=849503>

### Question 878

The pharmacist is preparing to discharge a patient on an antiretroviral agent. The patient's spouse asks the pharmacist how she can best practice infection-control techniques. What techniques should the pharmacist discuss with the patient's spouse? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Take the patient's temperature daily.
2. Avoid the affected area.
3. Take your temperature daily.
4. Practice good handwashing.
5. Weekly laboratory blood draws

Answer: <https://biology-forums.com/index.php?topic=849775>

### Question 879

A key responsibility of Health Canada would be:

1. Work independent of provincial and territorial governments
2. Ensure the safety and quality of health products and foods
3. Market a drug for sale to Canadians
4. Set prices for all drugs sold in Canada

Answer: <https://biology-forums.com/index.php?topic=848769>

### Question 880

Patients taking lithium should be placed on a salt-free diet to increase the effectiveness of the drug.

Answer: <https://biology-forums.com/index.php?topic=849307>

### Question 881

Which prescribed diuretic can also be used for treatment in certain types of glaucoma?

1. Indapamide
2. Amiloride hydrochloride
3. Mannitol
4. Triamterene

Answer: <https://biology-forums.com/index.php?topic=849715>

### Question 882

A patient complains of pain that is a generalized dull, throbbing, or aching pain. What type of pain does the pharmacist document that this patient is experiencing?

1. Visceral pain
2. Acute pain
3. Somatic pain
4. Neuropathic pain

Answer: <https://biology-forums.com/index.php?topic=849388>

### Question 883

The pharmacist is preparing discharge instructions for a patient who will be taking penicillin G. The patient tells the pharmacist she is also taking birth control pills. What is the pharmacist's best response?

1. "You may continue taking the birth control pills as your only means of contraception."
2. "If you feel you do not need to take the antibiotic that is fine."
3. "You do not need to take your birth control pills while taking this medication."
4. "You will need to use another form of contraception while taking the antibiotic and for at least one month after you finish treatment."

Answer: <https://biology-forums.com/index.php?topic=849753>

### Question 884

A patient has been prescribed diltiazem. The pharmacist should instruct the patient to notify the physician if which side effects occur? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Systolic blood pressure is less than 90 mm Hg.
2. Dizziness occurs when standing up quickly.
3. Heart rate is less than 60 beats per minute.
4. Blood glucose increases.
5. Hypoglycemia

Answer: <https://biology-forums.com/index.php?topic=849584>

### Question 885

Anticholinergics would produce the opposite action of parasympathomimetics.

Answer: <https://biology-forums.com/index.php?topic=849255>

### Question 886

The pharmacist is caring for a patient who has been admitted to the hospital with an alcohol overdose. Which effects should the pharmacist expect when caring for this client? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Coma
2. Hypotension
3. Vomiting
4. Nausea
5. Increased respirations

Answer: <https://biology-forums.com/index.php?topic=849111>

### Question 887

Which stage of sleep is referred to as dreaming sleep?

1. stage 1
2. stage 2
3. stage 3 & 4
4. REM sleep

Answer: <https://biology-forums.com/index.php?topic=849264>

### Question 888

Norepinephrine is a neurotransmitter of the parasympathetic nervous system

Answer: <https://biology-forums.com/index.php?topic=849249>

### Question 889

The patient receives paroxetine, and tells the pharmacist that sexual dysfunction has become a problem. What is the best response by the pharmacist?

1. "This side effect usually subsides in a few months."
2. "This is common. Please discuss it with your physician."
3. "Your depression is of primary concern right now."
4. "You should stop the medication right away."

Answer: <https://biology-forums.com/index.php?topic=849296>

### Question 890

ACh receptors at the end of postsynaptic neurons in the parasympathetic nervous system are called:

1. adrenergic receptors
2. muscarinic receptors
3. nicotinic receptors
4. beta receptors

Answer: <https://biology-forums.com/index.php?topic=849228>

### Question 891

The pharmacist is caring for a patient with closed-angle glaucoma. What are characteristics of this disorder the pharmacist must be aware of when providing care? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. It is caused by stress.
2. It is the most common type of glaucoma.
3. It is caused by impact injury.
4. The pressure develops slowly, over time.
5. The pressure develops quickly.

Answer: <https://biology-forums.com/index.php?topic=849908>

### Question 892

REM sleep is divided into 4 stages.

Answer: <https://biology-forums.com/index.php?topic=849281>

### Question 893

An elderly patient receives temazepam for sleep. Which assessment data is indicative of a potentially serious complication?

1. The patient reports a dry mouth.
2. The patient becomes agitated.
3. The patient sleeps for 1 hour longer than usual.
4. The patient reports a decrease in appetite.

Answer: <https://biology-forums.com/index.php?topic=849271>

### Question 894

Herpes simplex type 2 virus causes mouth cold sores.

Answer: <https://biology-forums.com/index.php?topic=849799>

### Question 895

An NSAID, such as acetaminophen, would prevent the inflammatory response by preventing the formation of prostaglandins.

Answer: <https://biology-forums.com/index.php?topic=849432>

### Question 896

Vasodilators decrease cardiac workload by constricting vessels and increasing preload. An example is hydralazine.

Answer: <https://biology-forums.com/index.php?topic=849565>

### Question 897

The pharmacist is preparing to discharge a patient who will be taking an antiretroviral agent. Which symptoms will the pharmacist educate the patient to discontinue the medication and inform the health care provider? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Sore throat
2. Rash
3. Shortness of breath
4. Wheezing
5. Diarrhea

Answer: <https://biology-forums.com/index.php?topic=849790>

### Question 898

The pharmacist is caring for a patient who has a morphine PCA. Which medication should the pharmacist ensure is readily available?

1. Meperidine
2. Naloxone hydrochloride
3. Butorphanol tartrate
4. Naltrexone hydrochloride

Answer: <https://biology-forums.com/index.php?topic=849396>

### Question 899

The patient has been prescribed Percocet for pain. What should the pharmacist advise this patient to avoid?

1. Green, leafy vegetables
2. Increased fluids
3. Vitamin supplements
4. Acetaminophen

Answer: <https://biology-forums.com/index.php?topic=849414>

### Question 900

The pharmacist is instructing a patient who has been prescribed tetracycline. What should the pharmacist advise this patient to avoid while taking this medication?

1. Sunlight
2. Foods that contain wheat
3. Exercise
4. Taking with food

Answer: <https://biology-forums.com/index.php?topic=849747>

### Question 901

When dispensing medications, the pharmacy technician is expected to be familiar with the general principles of drug delivery such as: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. How the patient should take the medication
2. The consequences of taking a drug via that route of delivery
3. The role the drug form has on the drug effectiveness and compliance
4. The role the route of delivery has on the drug effectiveness

Answer: <https://biology-forums.com/index.php?topic=848822>

### Question 902

A patient has been prescribed lisinopril, and asks the pharmacist to explain the common side effects of this drug. What is the best response by the pharmacist?

1. "The most common adverse effects are cough, headache, angioedema, and rash."
2. "There are no common adverse effects of this medication."
3. "The most common adverse effects are cough, headache, dizziness, orthostatic hypotension, and rash."
4. "The most common adverse effects of this medication are cough, hypertension, hypokalemia, and rash."

Answer: <https://biology-forums.com/index.php?topic=849543>

### Question 903

With OCD, a person may have a fear of being exposed to germs (the compulsion). This fear may eventually lead the person to wash his or her hands over and over (the obsession).

Answer: <https://biology-forums.com/index.php?topic=849280>

### Question 904

The pharmacist is reviewing a medication administration record. Which medication from the list is considered a mydriatic agent?

1. Hydroxyamphetamine
2. Cyclopentolate
3. Atropine sulfate
4. Scopolamine hydrobromide

Answer: <https://biology-forums.com/index.php?topic=849923>

### Question 905

The pharmacist is caring for a patient who is in a state of consciousness yet insensitive to pain and unaware of the surroundings, caused by combining the opioid fentanyl with the antipsychotic agent droperidol. What state of consciousness is this patient experiencing?

1. Neurolept analgesia
2. Surface analgesia
3. Dissociative analgesia
4. Regional analgesia

Answer: <https://biology-forums.com/index.php?topic=849449>

### Question 906

What is the correct term for the length of time for a drug concentration to decrease by half?

1. Half-time
2. Metabolism
3. Half-life
4. Distribution

Answer: <https://biology-forums.com/index.php?topic=848953>

### Question 907

Hyperlipidemia, or hypercholesterolemia, are the result of a combination of genetic and environmental (lifestyle) factors.

Answer: <https://biology-forums.com/index.php?topic=849662>

### Question 908

A patient arrives in the Emergency Department with severe chest pain. What is the best explanation by the pharmacist to differentiate angina from a myocardial infarction?

1. "Angina usually goes away with rest, and is rarely fatal, but a myocardial infarction requires immediate treatment, and can be life-threatening."
2. "There is no way to tell the difference between the two. You will be treated for a myocardial infarction."
3. "Both are caused by a clot blocking the coronary arteries. Angina occurs if a small vessel is blocked, and a myocardial infarction occurs if a large vessel is blocked."
4. "Angina does not cause severe chest pain, but a myocardial infarction always causes severe chest pain."

Answer: <https://biology-forums.com/index.php?topic=849607>

### Question 909

The pharmacist is caring for a patient who has been diagnosed with type I diabetes. Which symptoms does the pharmacist anticipate this patient will exhibit upon assessment? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Polyuria
2. Pancreatitis
3. Polyphagia
4. Polydipsia
5. Constipation

Answer: <https://biology-forums.com/index.php?topic=850165>

### Question 910

If the waste material remains in the colon for an extended period, too little water will be reabsorbed, leading to constipation.

Answer: <https://biology-forums.com/index.php?topic=849992>

### Question 911

What is the best explanation for why combination drugs may improve compliance for patients on multiple medications?

1. There are no side effects to combination drugs.
2. The physician can prescribe a combination drug to prevent rhabdomyolysis.
3. The patient can obtain with a prescription.
4. Taking one tablet is easier to remember.

Answer: <https://biology-forums.com/index.php?topic=849660>

### Question 912

The pharmacist is caring for a patient with tuberculosis. What does the pharmacist anticipate regarding this patient's treatment?

1. Alternate day dosing of three antibiotics
2. Always two antibiotics
3. Only one antibiotic for 12 months
4. Different combinations of two or more antibiotics

Answer: <https://biology-forums.com/index.php?topic=849758>

### Question 913

To prevent systemic absorption of timolol, what administration instructions are appropriate for the pharmacist to include in teaching?

1. Apply pressure over the lacrimal sac for 1 minute.
2. Wait 5 minutes before administering other ophthalmic solutions.
3. Administer the eyedrop in the conjunctival sac.
4. Remove contact lenses prior to administering eyedrops.

Answer: <https://biology-forums.com/index.php?topic=849918>

### Question 914

A patient with acne asks the pharmacist which OTC medication is used to treat acne. What medications should the pharmacist include in the teaching session?

1. "Tretinoin"
2. "Benzoyl peroxide"
3. "Adapalene"
4. "Doxycycline"

Answer: <https://biology-forums.com/index.php?topic=850124>

### Question 915

For patients undergoing chemotherapy, the most effective antiemetics for serious nausea and vomiting are serotonin-receptor blockers.

Answer: <https://biology-forums.com/index.php?topic=850004>

### Question 916

The physician is caring for a patient who is experiencing cardiogenic shock after an MI. What is the rate of mortality for this patient?

1. 50-60 percent
2. 70-80 percent
3. 40-50 percent
4. 20-30 percent

Answer: <https://biology-forums.com/index.php?topic=849672>

### Question 917

What does the term "silent killer" mean?

1. It means a murderer is very quiet in its killing
2. It means the disease has no symptoms or vague symptoms but it can be deadly
3. It refers to black widow spiders and their deadly sting
4. It means the disease will cause a very quiet death

Answer: <https://biology-forums.com/index.php?topic=849496>

### Question 918

Which statements are true regarding pain medications? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Opioids act within the CNS.
2. NSAIDs act at the peripheral level.
3. NSAIDs act within the CNS.
4. Opioids act at the peripheral level.
5. Narcotics act within the CNS.

Answer: <https://biology-forums.com/index.php?topic=849390>

### Question 919

A patient has been prescribed clopidogrel. The pharmacist instructs the patient that which types of drugs can increase the risk for bleeding? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Anticoagulants
2. Ibuprofen
3. Thrombolytic agents
4. Some antibiotics
5. Aspirin

Answer: <https://biology-forums.com/index.php?topic=849481>

### Question 920

The pharmacist is providing education to a patient with a history of earwax buildup. Which medication does the pharmacist include in the teaching session?

1. Acetic acid and hydrocortisone
2. Ciprofloxacin hydrochloride and hydrocortisone
3. Triethanolamine polypeptide oleate 10% condensate
4. Polymixin B, neomycin, and hydrocortisone

Answer: <https://biology-forums.com/index.php?topic=849924>

### Question 921

The patient receives levodopa. Which foods can the pharmacist include in the dietary teaching for this patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Banana
2. Green, leafy vegetables
3. Citrus fruit
4. Chocolate
5. Red meat

Answer: <https://biology-forums.com/index.php?topic=849338>

### Question 922

Epinephrine would stimulate all four adrenergic receptors to produce its effects.

Answer: <https://biology-forums.com/index.php?topic=849254>

### Question 923

The pharmacist is caring for a patient who is taking simvastatin. What should the pharmacist instruct this patient to avoid while taking this medication?

1. All fruit juices
2. Co Q10 supplements
3. Grapefruit juice
4. Grape juice

Answer: <https://biology-forums.com/index.php?topic=849657>

### Question 924

A patient taking phenytoin chronically for seizures should be encouraged to maintain good oral hygiene and visit the dentist every 6 months. Why is this such an important area of teaching for this patient?

1. Cavities
2. Builds up tartar on the teeth
3. Mouth cancers
4. Gingival hyperplasia

Answer: <https://biology-forums.com/index.php?topic=849367>

### Question 925

The purpose of this phase of testing during the drug approval process is to check the effectiveness of the product within large populations of patients.

This phase is called:

1. Preclinical investigation
2. Post-marketing surveillance
3. Clinical investigation
4. Health Canada Review

Answer: <https://biology-forums.com/index.php?topic=848775>

### Question 926

The pharmacist is teaching a patient about prescribed medications. One of the medications is a controlled substance and the patient asks the pharmacist to explain what that means. What is the best response by the pharmacist?

1. A controlled substance is regulated under the Controlled Drugs and Substances Act, and may have many restrictions placed on ordering or refilling this medication.
2. A controlled substance requires both a written prescription and a telephone call from the prescribing practitioner.
3. A controlled substance does not require a prescription to purchase.
4. A controlled substance is always called in to the pharmacy by the practitioner.

Answer: <https://biology-forums.com/index.php?topic=848777>

### Question 927

Adrenergic blockers would produce the same action as sympathomimetics.

Answer: <https://biology-forums.com/index.php?topic=849257>

### Question 928

Which statement made by the patient indicates the need for further teaching?

1. "Vitamin supplements can be a substitute for a balanced diet."
2. "Too much vitamin A or D is not good for me."

3. "Although the label on a vitamin supplement might indicate that it contains 100% of the RDA for a particular vitamin, the body might only absorb a little of the vitamin."
4. "It is not harmful for most patients to consume 2–3 times the recommended levels of most vitamins."

Answer: <https://biology-forums.com/index.php?topic=850038>

### Question 929

The mother of an 8-year-old patient who is receiving methylphenidate tells the pharmacy technician that her child has not slept well since being started on this drug. Which question is a priority for this patient?

1. "Is your child having problems at school?"
2. "Do you give the medication with food?"
3. "Does your child have sleep apnea?"
4. "What time do you give your child the medication?"

Answer: <https://biology-forums.com/index.php?topic=849303>

### Question 930

The signa of "ii q12h ac" would translate into "take 2 tablets every 12 hours after meals".

Answer: <https://biology-forums.com/index.php?topic=848881>

### Question 931

TPN is able to provide all the patient's nutritional needs with solutions containing amino acids, fats, carbohydrate (as dextrose), electrolytes, vitamins, and minerals.

Answer: <https://biology-forums.com/index.php?topic=850058>

### Question 932

Which symptoms are associated with stress or injury to the skin? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Crusty, cracked areas
2. Infestations
3. Blisters, calluses
4. Sores, lesions
5. Acne, blemishes

Answer: <https://biology-forums.com/index.php?topic=850115>

### Question 933

The plasma membrane consists of a lipid bilayer that is relatively impermeable to which of the following:

1. Small molecules
2. Ions
3. Non polar molecules
4. Water soluble molecules

Answer: <https://biology-forums.com/index.php?topic=848901>

### Question 934

Tricyclic antidepressants produce their therapeutic effects by irreversibly inhibiting monoamine oxidase and intensifying the effect of norepinephrine in the synapse.

Answer: <https://biology-forums.com/index.php?topic=849310>

### Question 935

Which side effects would the pharmacist expect a patient taking a PPI to report? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Ataxia
2. Epistaxis
3. Headache
4. Diarrhea
5. Hyperglycemia

Answer: <https://biology-forums.com/index.php?topic=849981>

### Question 936

Enterohepatic recirculation will result in the drug being eliminated from the body faster.

Answer: <https://biology-forums.com/index.php?topic=848989>



### Question 937

Which hormone is released when calcium levels in the blood increase?

1. Calcitonin
2. Insulin
3. Parathyroid hormone
4. Calcitriol

Answer: <https://biology-forums.com/index.php?topic=850068>

### Question 938

Which non-depolarizing blocking agents are used to relax the muscles of patients being prepared for longer surgical procedures? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Vecocuronium
2. Atracurium
3. Doxacurium
4. Succinylcholine chloride
5. Diazepam

Answer: <https://biology-forums.com/index.php?topic=850063>

### Question 939

Aerosol therapy can give immediate relief for bronchospasm.

Answer: <https://biology-forums.com/index.php?topic=849871>

### Question 940

Which therapies for calcium disorders may be prescribed? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Vitamin D supplements
2. Bisphosphonates
3. Calcium supplements
4. NSAIDs
5. Antipyretics

Answer: <https://biology-forums.com/index.php?topic=850095>

### Question 941

The pharmacist is teaching a patient about minor minerals. Which minerals should the pharmacist include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Fluoride
2. Sodium
3. Copper
4. Zinc
5. Potassium

Answer: <https://biology-forums.com/index.php?topic=850045>

### Question 942

A patient with HIV has been prescribed HAART. What is the best description that the pharmacist can provide to the patient regarding the goal of this therapy?

1. Reduce the amount of HIV in the plasma to its lowest possible level.
2. Increase the amount of HIV in the plasma.
3. Decrease adverse effects from HAART therapy.
4. Cure HIV.

Answer: <https://biology-forums.com/index.php?topic=849779>

### Question 943

A patient is admitted with hypercalcemia. What are possible causes of hypocalcemia?

(Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Parathyroidectomy
2. Hypertension
3. Vitamin D deficiency
4. Heart failure
5. Malabsorption disorder

Answer: <https://biology-forums.com/index.php?topic=850069>

### Question 944

The pharmacist is caring for a patient who has chronic angina. Treatment for the condition has been unsuccessful. Which medication does the pharmacist anticipate will be prescribed?

1. Atenolol
2. Nitroglycerin
3. Sildenafil
4. Ranolazine

Answer: <https://biology-forums.com/index.php?topic=849619>

### Question 945

The pharmacist is caring for a patient with newly diagnosed heart failure. Which items should the pharmacist instruct the patient to do to help control heart failure? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Eat foods rich in potassium and magnesium.
2. Increase alcohol consumption.
3. Implement a medically supervised exercise plan.
4. Learn and use effective ways to deal with stress.

Answer: <https://biology-forums.com/index.php?topic=849542>

### Question 946

A patient complains that she is having problems sleeping. Which of the following would be good advice to give her concerning re-establishing a healthful sleep?

1. Take an afternoon nap to catch up
2. Drink a cup of hot chocolate before bed
3. Exercise regularly but not within 2 hours of sleep
4. Eat ice cream before bed

Co

Answer: <https://biology-forums.com/index.php?topic=849263>

### Question 947

The patient asks the pharmacist to explain ways to decrease the risk of cancer. Which items are appropriate for the pharmacist to include in patient teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Limit or eliminate alcoholic beverage use.
2. Maintain a healthy diet low in fat and high in fresh vegetables and fruit.
3. Exercise regularly and keep body weight within optimum guidelines.
4. Eliminate tobacco use and exposure to secondhand tobacco smoke.
5. Drink plenty of caffeinated beverages.

Answer: <https://biology-forums.com/index.php?topic=849811>

### Question 948

Hallucinogens include ecstasy, heroin, LSD, and magic mushrooms.

Answer: <https://biology-forums.com/index.php?topic=849161>

### Question 949

A patient taking calcium supplements needs to be advised to avoid which foods because of a decreased absorption of calcium? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Nuts
2. Seeds
3. Tofu
4. Ice cream
5. Legumes

Answer: <https://biology-forums.com/index.php?topic=850082>

### Question 950

The RDA values represent the maximum amount of a vitamin or mineral needed to prevent a deficiency in a healthy adult.

Answer: <https://biology-forums.com/index.php?topic=850054>

### Question 951

What side effect should the pharmacist include in the teaching session as the most common side effect of ACE inhibitor therapy?

1. Cough
2. Hypokalemia
3. Angioedema
4. Headache

Answer: <https://biology-forums.com/index.php?topic=849513>

### Question 952

A patient has just begun therapy with lithium. The pharmacist notices the serum level of lithium for this patient is 1.3 mEq/L. What is the normal range of lithium?

1. 1.5–3.0 mEq/L.
2. 0.6–1.5 mEq/L.
3. 3.0–4.5 mEq/L.
4. 0.1–0.6 mEq/L.

Answer: <https://biology-forums.com/index.php?topic=849298>

### Question 953

The pharmacist is providing care for a patient who is taking acetaminophen. What should the pharmacist pay particular attention to during the assessment?

1. Respiratory rate
2. Pulse rate
3. Blood pressure
4. Severe upper or lower abdominal pain

Answer: <https://biology-forums.com/index.php?topic=849415>

### Question 954

Zidovudine has been prescribed to a patient with HIV. The patient asks why blood needs to be drawn on a regular basis. What is the most appropriate response by the pharmacist?

1. "This medication can cause an increase in red and white blood cells, and needs to be monitored."
2. "This medication will cause dehydration, so your blood needs to be monitored for this."
3. "Serum creatinine must be monitored for patients taking zidovudine."
4. "Reduced numbers of red and white blood cells are common, and need to be monitored."

Answer: <https://biology-forums.com/index.php?topic=849785>

### Question 955

What are the two subtypes of adrenergic receptors? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Beta
2. Delta
3. Epsilon
4. Alpha
5. Pi

Answer: <https://biology-forums.com/index.php?topic=849225>

### Question 956

Drugs used to treat Alzheimer's would include this class of drugs:

1. Dopamine agonists
2. Cholinesterase inhibitors
3. Immune system-modulating drugs
4. Phenothiazines

Answer: <https://biology-forums.com/index.php?topic=849341>

### Question 957

Alzheimer's disease is responsible for most cases of dementia.

Answer: <https://biology-forums.com/index.php?topic=849350>

### Question 958

If a person has cardiovascular disease, drug distribution, metabolism and excretion may be affected negatively.

Answer: <https://biology-forums.com/index.php?topic=849061>

### Question 959

Although herpes lesions are often mild and require no drug therapy, patients who experience frequent recurrences may benefit from low doses of prophylactic antiviral therapy.

Answer: <https://biology-forums.com/index.php?topic=849804>

### Question 960

Levodopa cannot cross the blood-brain barrier to make dopamine so carbidopa is typically added to it.

Answer: <https://biology-forums.com/index.php?topic=849353>

### Question 961

CPS stands for the Canadian Pharmaceuticals and Specialties.

Answer: <https://biology-forums.com/index.php?topic=849216>

### Question 962

Which medications are appropriate for minor irritation and injury? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. NSAIDs
2. Diphenhydramine HCl
3. Antimicrobials
4. Local anesthetics
5. Insulin

Answer: <https://biology-forums.com/index.php?topic=849919>

### Question 963

A patient presents in the Emergency Department with a suspected MI. Which medication should be given as soon as possible?

1. Clopidogrel
2. Morphine
3. Aspirin
4. Metoprolol

Answer: <https://biology-forums.com/index.php?topic=849622>

### Question 964

A patient is admitted to the hospital for major surgery. The pharmacist is explaining major routes of applying local anesthesia to the patient. Which routes should be included in the teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Spinal
2. Topical
3. Epidural
4. Tendon block
5. Infiltration

Answer: <https://biology-forums.com/index.php?topic=849437>

### Question 965

Loss of blood volume is referred to as this type of shock:

1. Anaphylactic
2. Septic
3. Cardiogenic
4. Neurogenic
5. Hypovolemic

Answer: <https://biology-forums.com/index.php?topic=849670>

### Question 966

The best approach to influenza infection is immediate treatment with an antiviral medication.

Answer: <https://biology-forums.com/index.php?topic=849803>

### Question 967

An example of an antidiarrheal would be diphenoxylate with atropine or calcium carbonate.

Answer: <https://biology-forums.com/index.php?topic=850016>

### Question 968

The pharmacist is providing discharge teaching to a patient who is to take aspirin 325 mg per day. What statement by the patient indicates an understanding of the teaching?

1. "Now that I take an aspirin a day, my gastric ulcer will be healed."
2. "I will check with my physician before taking any OTC medications."
3. "Now that I take aspirin, I can no longer take my acetaminophen (Tylenol)."
4. "I can still take my ibuprofen every day, as I did before taking the aspirin."

Answer: <https://biology-forums.com/index.php?topic=849416>

### Question 969

A patient with a history of seizures is taking phenytoin. Based on this medication prescription, what is the patient at an increased risk for developing?

1. Weight gain
2. Back pain
3. Headaches
4. Constipation

Answer: <https://biology-forums.com/index.php?topic=849375>

### Question 970

Failure of the heart to pump sufficient blood to tissues is referred to as this type of shock:

1. Anaphylactic
2. Septic
3. Cardiogenic
4. Neurogenic
5. Hypovolemic

Answer: <https://biology-forums.com/index.php?topic=849669>

### Question 971

The physician orders a medication to be given via the buccal route. What instructions should the pharmacist provide to the patient prior to taking the medication?

1. The tablet should be crushed and given in either pudding or applesauce.
2. The tablet is placed in the oral cavity between the gum and the cheek.
3. The tablet is placed under the tongue and allowed to dissolve slowly.
4. This drug should be applied directly to the skin.

Answer: <https://biology-forums.com/index.php?topic=848850>

### Question 972

What are the primary goals of pharmacotherapy for patients diagnosed with schizophrenia?

(Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Cure schizophrenia.
2. Reduce psychotic symptoms to a level that allows the patient to maintain normal social relationships.
3. Increase delusional symptoms.
4. Reduce psychotic symptoms to a level that allows the patient to perform self-care.
5. Reduce psychotic symptoms to a level that allows the patient to maintain employment.

Answer: <https://biology-forums.com/index.php?topic=849317>

### Question 973

There are usually many generic names for the same brand name product.

Answer: <https://biology-forums.com/index.php?topic=848804>

### Question 974

A highly virulent organism is one that can produce disease when present in very small numbers.

Answer: <https://biology-forums.com/index.php?topic=849760>

### Question 975

Leukotriene receptor antagonists prevent histamine release from the mast cells.

Answer: <https://biology-forums.com/index.php?topic=849877>

### Question 976

Negative symptoms of schizophrenia would include hallucinations, delusions, and disorganized thoughts or speech.

Answer: <https://biology-forums.com/index.php?topic=849344>

### Question 977

Alcohol and nicotine are the most common drugs of abuse in Canada.

Answer: <https://biology-forums.com/index.php?topic=849155>

### Question 978

When drugs are grouped together on the basis of how they work within the body pharmacologically, this is referred to as a therapeutic classification.

Answer: <https://biology-forums.com/index.php?topic=848789>

### Question 979

A patient is prescribed multiple medications for hypertension. The patient asks the pharmacist which of the medications prescribed is a beta blocker. Which response by the pharmacist is correct?

1. Amlodipine
2. Furosemide
3. Ramipril
4. Metoprolol

Answer: <https://biology-forums.com/index.php?topic=849509>

### Question 980

The pharmacy technician is teaching a patient about the structures of the GI tract. Which structures should the pharmacy technician include in the teaching session? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Stomach
2. Liver
3. Large intestine
4. Pancreas
5. Gallbladder

Answer: <https://biology-forums.com/index.php?topic=849939>

### Question 981

The patient has been prescribed furosemide. What are the potential side effects of this treatment? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Dehydration
2. Dizziness
3. Hypotension
4. Dysrhythmias
5. Hyperkalemia

Answer: <https://biology-forums.com/index.php?topic=849722>

### Question 982

The physician is caring for a patient who is experiencing anaphylaxis. The family asks the physician why the patient is having difficulty breathing. The physician responds based on what knowledge?

1. Reflex tachycardia
2. Compensation for a rapid fall in blood pressure
3. The body's response to histamine
4. Bronchoconstriction in response to the allergen

Answer: <https://biology-forums.com/index.php?topic=849678>

### Question 983

Which patient statement demonstrates understanding of the link between cardiovascular disease and high cholesterol?

1. "There is no link between cardiovascular disease and cholesterol levels."
2. "My diet does not need to be changed to help control my cardiovascular risk."
3. "The only people at risk for high cholesterol are those with a family history."
4. "The greater the amount of cholesterol circulating in the blood, the greater the risk of cardiovascular disease."

Answer: <https://biology-forums.com/index.php?topic=849637>

### Question 984

The patient prescribed clonazepam asks the pharmacist why the medication dose needs to be adjusted. What is the best response by the pharmacist?

1. "Tolerance can begin to develop after only a few months of therapy, and seizures can recur unless doses are periodically adjusted."
2. "Your dose will be decreased every month until you begin to have seizures again."
3. "Your body stores this drug, and you will need a lower dose of the medication now."
4. "The physician will not need to adjust your medication dose."

Answer: <https://biology-forums.com/index.php?topic=849377>

### Question 985

A patient has been diagnosed with right-sided heart failure. What does the pharmacist expect to observe when assessing this patient?

1. Decreased body temperature
2. Increased body temperature
3. Fatigue, shortness of breath, and cough
4. Peripheral edema

Answer: <https://biology-forums.com/index.php?topic=849537>

### Question 986

The pharmacist caring for a patient with a dysrhythmia understands the effects of which drug can last 4–8 weeks after the drug is discontinued because it has an extended half-life that can exceed 100 days?

1. Digoxin
2. Verapamil
3. Propranolol
4. Amiodarone

Answer: <https://biology-forums.com/index.php?topic=849579>

### Question 987

Which lifestyle changes can be the most beneficial to a patient to delay the progression from prehypertension to hypertension? (Select all that apply.)

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Maintaining optimum body weight
2. Stopping smoking
3. Eating a healthy low-fat diet
4. Limiting alcohol intake
5. Decrease dietary salt intake

Answer: <https://biology-forums.com/index.php?topic=849506>

### Question 988

The pharmacy technician is preparing to teach a group of patients from a pain clinic about addiction. The pharmacy technician wants to include the causes of addiction in the presentation. What item should the pharmacy technician include in the plan?

1. Any medication to treat pain
2. Only prescription drugs
3. A need for prescription pain medications
4. Only illegal drugs

Answer: <https://biology-forums.com/index.php?topic=849065>

### Question 989

A patient has been prescribed several medications. Which medication is a beta blocker?

1. Nadolol
2. Verapamil
3. Captopril
4. Clopidogrel

Answer: <https://biology-forums.com/index.php?topic=849617>

### Question 990

Known carcinogens include (select all that apply):

Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Chemicals in tobacco smoke
2. Chemicals such as asbestos and benzene
3. Exposure to large amounts of x-rays or prolonged exposure to UV light
4. Viruses such as herpes simplex, Epstein-Barr and HPV

Answer: <https://biology-forums.com/index.php?topic=849808>

### Question 991

The pharmacy technician is teaching about illegal street drugs. Which definition would the technician include in the teaching plan?

1. A street drug is always created in an illegal laboratory solely for illegal drug trafficking.
2. A street drug is always made from a naturally occurring substance.
3. Hallucinogenics are illegal street drugs.
4. A street drug is usually less addictive than prescription medications.

Answer: <https://biology-forums.com/index.php?topic=849087>

### Question 992

Which profession, of the ones listed below, is more prone to alcohol or substance abuse?

1. Lawyers
2. Physicians
3. Carpenters
4. Bus drivers

Answer: <https://biology-forums.com/index.php?topic=849133>

### Question 993

What is the purpose of using progestins in patients with dysfunctional uterine bleeding?

1. They limit and stabilize growth of the uterine lining.
2. They allow the uterine lining to thicken.
3. They prevent ovulation.
4. They decrease the occurrence of breast cancer.

Answer: <https://biology-forums.com/index.php?topic=850198>

### Question 994

The pharmacist is admitting a patient to the acute care floor with methicillin-resistant S. aureus. The pharmacist would expect the physician to order which medication for this patient?

1. Penicillin
2. Streptomycin
3. Gentamicin
4. Vancomycin

Answer: <https://biology-forums.com/index.php?topic=849750>

### Question 995

The patient has chronic alcoholism. Which lab test is most important for the pharmacist to evaluate?

1. Liver function test
2. Complete blood count
3. White blood count
4. Stool for occult blood

Answer: <https://biology-forums.com/index.php?topic=849127>

### Question 996

After taking a medication, the patient mentions to the pharmacy technician that he has itching and a runny nose. What is the pharmacy technician's priority?

1. Document the findings.
2. Discontinue any medications immediately.
3. Notify the pharmacist.
4. Ignore the symptoms.

Answer: <https://biology-forums.com/index.php?topic=848818>

### Question 997

One method of treating opioid dependence has been to switch the patient from intravenous and inhalation forms of illegal drugs to injectable methadone.

Answer: <https://biology-forums.com/index.php?topic=849429>

### Question 998

The pharmacist is caring for a patient who is prescribed baclofen. The patient asks the pharmacist if there are any adverse effects for the medication. Which list of adverse effects is most appropriate for the pharmacist to share with this patient?

1. Drowsiness, dizziness, weakness, and fatigue
2. Drowsiness, increased appetite, and renal failure
3. Dizziness, weakness, and increased appetite



4. Insomnia, decreased energy, and increased appetite

Answer: <https://biology-forums.com/index.php?topic=850096>

### Question 999

The patient has been diagnosed with Parkinson's disease and wants to know the goal of pharmacotherapy. Which is the pharmacist's best response?

1. "To alleviate the depression associated with your illness."
2. "To prevent progressive memory loss and confusion."
3. "To hopefully cure your illness."
4. "To increase your ability to perform normal daily activities."

Answer: <https://biology-forums.com/index.php?topic=849339>

### Question 1000

A patient has been ordered to receive iron via IM administration. Which medication can be given either IM or IV?

1. Ferrous fumarate
2. Ferrous gluconate
3. Ferrous sulfate
4. Iron dextran

Answer: <https://biology-forums.com/index.php?topic=850032>

### Question 1001

A patient has not responded to IV fluids to raise blood pressure. Which medication does the pharmacist anticipate will be ordered?

1. Whole blood
2. Additional crystalloids
3. Vasodilators
4. Vasopressors

Answer: <https://biology-forums.com/index.php?topic=849682>

### Question 1002

A patient with breast cancer is started on chemotherapy. Her daughter is started on the same drug prophylactically. The daughter is considered high risk for developing breast cancer. Which medication does the pharmacist anticipate has been prescribed to both the patient and her daughter?

1. Anastrozole
2. Medroxyprogesterone
3. Goserelin
4. Tamoxifen

Answer: <https://biology-forums.com/index.php?topic=849829>

### Question 1003

The pharmacist learns that the patient has been started on sotalol. What is the most likely rationale for this?

1. Hypertension
2. Serious ventricular dysrhythmia
3. Atrial dysrhythmia
4. Chronic atrial fibrillation

Answer: <https://biology-forums.com/index.php?topic=849591>

### Question 1004

Reputable sources include (select all that apply):

1. Government sites
2. National organizations
3. Education sites
4. Wikipedia

Answer: <https://biology-forums.com/index.php?topic=849179>

### Question 1005

Following a stroke, a patient has been started on clopidogrel. Why is this medication being administered?

1. To prevent stroke in high-risk patients, such as those with prosthetic heart valves
2. To decrease blood pressure
3. To increase blood pressure
4. To provide antiplatelet activity in patients who cannot tolerate aspirin

Answer: <https://biology-forums.com/index.php?topic=849621>

### Question 1006

A patient reports restlessness, nervousness, irritability, and insomnia. The patient denies caffeine intake, but has been taking an OTC pain reliever for a headache. What is the best explanation by the pharmacist?

1. These symptoms indicate that the patient is allergic to the OTC pain reliever.
2. These symptoms are normal side effects of a headache.
3. Caffeine is added to some OTC pain relievers.
4. These symptoms are normal side effects of OTC pain relievers.

Answer: <https://biology-forums.com/index.php?topic=849121>

### Question 1007

The patient asks the pharmacist why the nitrate patch needs to be off for 8 hours per day. What is the best response by the pharmacist?

1. "There is no reason to take the patch off each day."
2. "You should wear the patch for 1 day and then leave it off for 1 day."
3. "You should only leave the patch off for 15 minutes."
4. "Leaving the patch off for 8 hours per day helps to delay the development of tolerance."

Answer: <https://biology-forums.com/index.php?topic=849627>

### Question 1008

An adult diagnosed with ADD may exhibit which symptoms? (Select all that apply)

1. Mood disorders
2. Poor self esteem
3. Diminished social success
4. Hyperactivity

Answer: <https://biology-forums.com/index.php?topic=849294>

### Question 1009

Antihistamines should be used with caution in patients with asthma or COPD. What is the rationale for this caution?

1. Anticholinergic effects of antihistamines can trigger angioedema.
2. Most people with asthma are allergic to antihistamines.
3. Antihistamines cause severe headache when given to patients with COPD or asthma.
4. Anticholinergic effects of antihistamines can trigger bronchospasm.

Answer: <https://biology-forums.com/index.php?topic=849867>

### Question 1010

Examples of biologic response modifiers would include (Select all that apply.): Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. IFNs
2. ILs
3. CSFs
4. Antibiotics

Answer: <https://biology-forums.com/index.php?topic=849884>

### Question 1011

Which of the following statements made by the patient taking naproxen sodium indicates the need for further instruction?

1. "I will notify my dentist of my medication use before my next cleaning."
2. "I should take this medication with food."
3. "I should take this medication on an empty stomach."
4. "I should not take herbal supplements without checking with my doctor first."

Answer: <https://biology-forums.com/index.php?topic=849419>

### Question 1012

Management of severe mental illness is difficult as many patients do not see their behavior as abnormal and have difficulty understanding the need for medication.

Answer: <https://biology-forums.com/index.php?topic=849346>

### Question 1013

Among nurses, prescription drugs are the second most abused substance, after alcohol.

Answer: <https://biology-forums.com/index.php?topic=849171>

### Question 1014

During an asthma attack, the bronchioles become swollen and contracted with excessive mucous secretion. How is this manifested in the patient?

1. Having fits of coughing
2. Being able to inhale but not exhale
3. Requiring oxygen
4. Going into respiratory arrest

Answer: <https://biology-forums.com/index.php?topic=849853>

### Question 1015

The pharmacist looks up the serum digoxin level for a patient, and the result is 2.0 mg/ml. The pharmacist anticipates which medication to be ordered because of this level?

1. Digoxin immune fab
2. The same dose of digoxin
3. Furosemide
4. An increased dose of digoxin

Answer: <https://biology-forums.com/index.php?topic=849547>

### Question 1016

In order to provide relief for a range of otic symptoms, glucocorticoids are often used in combination with antibiotics and other drugs.

Answer: <https://biology-forums.com/index.php?topic=849937>

### Question 1017

When a double dose is given on the first day of therapy in order to reach the therapeutic concentration of the drug faster, this dose is referred to as the loading dose.

Answer: <https://biology-forums.com/index.php?topic=848997>

### Question 1018

The pharmacist has just completed medication teaching regarding medications used to treat high cholesterol. Which statement made by the patient indicates a need for further teaching?

1. I can eat any food I want as long as I take my medications.
2. I need to call the physician if I experience severe muscle weakness.
3. I should take my medications every day.
4. A low-fat diet needs to be followed even with medications to treat high cholesterol.

Answer: <https://biology-forums.com/index.php?topic=849661>

### Question 1019

A patient receiving warfarin therapy has an INR of 5.6. Which medication would the pharmacist expect the physician to order to reverse the warfarin?

1. Potassium
2. Vitamin K
3. Desirudin
4. Protamine sulfate

Answer: <https://biology-forums.com/index.php?topic=849478>

### Question 1020

The pharmacy technician can now perform all cognitive aspects associated with dispensing prescriptions, such as determining the clinical appropriateness of a medication for the patient.

Answer: <https://biology-forums.com/index.php?topic=848731>

### Question 1021

Post-menopausal patients on HRT may have a decreased risk of coronary artery disease, stroke, and venous thromboembolism.

Answer: <https://biology-forums.com/index.php?topic=850221>

### Question 1022

A patient is receiving treatment for opioid addiction. Which medication does the pharmacy technician anticipate to be prescribed to help treat this addiction?

1. Propoxyphene
2. Fentanyl
3. Methadone

4. Hydromorphone

Answer: <https://biology-forums.com/index.php?topic=849108>

### Question 1023

Advantages of journals over books are (select all that apply):

1. Journals are more current
2. They are published more frequently
3. They are peer-reviewed
4. They are written by experts in the field of pharmacy

Answer: <https://biology-forums.com/index.php?topic=849193>

### Question 1024

If a drug is more potent than another drug, it is more efficacious than the other drug.

Answer: <https://biology-forums.com/index.php?topic=849053>

### Question 1025

Clients with epilepsy may appear normal and asymptomatic.

Answer: <https://biology-forums.com/index.php?topic=849380>

### Question 1026

Which of the following are names of isoenzymes with the cytochrome P450 isoenzyme system? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. CYP3A4
2. CYP2D19
3. CYP1A2
4. CYP2B9

Answer: <https://biology-forums.com/index.php?topic=849027>

### Question 1027

A patient with asthma asks the pharmacist which type of medication will decrease bronchoconstriction associated with asthma. Which response by the pharmacist is the most correct?

1. "Bronchodilators."
2. "Corticosteroids."
3. "Expectorants."
4. "Antitussives."

Answer: <https://biology-forums.com/index.php?topic=849869>

### Question 1028

The pharmacist is caring for a woman with osteoporosis. Based on this diagnosis, the pharmacist teaches the woman that she is at risk for fractures to occur in which locations?

(Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Hips
2. Skull
3. Fingers
4. Wrists
5. Forearms

Answer: <https://biology-forums.com/index.php?topic=850087>

### Question 1029

A patient with erectile dysfunction asks the pharmacist which medications treat ED. Which medications will the pharmacist include in patient teaching? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Tadalafil
2. Vardenafil
3. Testosterone enanthate
4. Sildenafil
5. Propranolol

Answer: <https://biology-forums.com/index.php?topic=850210>

### Question 1030

A patient with asthma asks the pharmacist which type of medication will decrease inflammation associated with asthma. What is the best response by the pharmacist?

1. "Corticosteroids."
2. "Expectorants."
3. "Bronchodilators."
4. "Antitussives."

Answer: <https://biology-forums.com/index.php?topic=849868>

### Question 1031

Teaching parents the importance of maintaining up-to-date vaccinations is a dynamic responsibility for the pharmacist. What should the pharmacist stress the importance of when teaching about vaccinations?

1. Treating illness
2. The school pharmacist
3. Health departments
4. Preventing illness

Answer: <https://biology-forums.com/index.php?topic=849889>

### Question 1032

What is the most appropriate explanation as to why dipivefrin hydrochloride effectively decreases intraocular pressure?

1. The exact mechanism is not fully understood.
2. It decreases the formation of aqueous humor.
3. It reduces plasma volume very quickly.
4. It converts to epinephrine and increases outflow of aqueous humor.

Answer: <https://biology-forums.com/index.php?topic=849917>

### Question 1033

The pharmacist is preparing to discharge a patient with a prescription for zidovudine. Which drugs should the patient avoid while taking this medication? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Aspirin
2. Herbal supplements
3. Penicillin
4. Acetaminophen
5. Oral multivitamin

Answer: <https://biology-forums.com/index.php?topic=849791>

### Question 1034

Attention-deficit disorder is 4 to 8 times more likely to occur in boys.

Answer: <https://biology-forums.com/index.php?topic=849308>

### Question 1035

The pharmacist is caring for a patient who is experiencing mild inflammation. Which treatment options does the pharmacist anticipate? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Ice packs
2. Rest
3. Glucocorticoids
4. NSAIDs
5. Insulin

Answer: <https://biology-forums.com/index.php?topic=849404>

### Question 1036

If hypertension remains uncontrolled with medication and lifestyle changes, the physician will prescribe higher doses of the same drug until pressure is under control.

Answer: <https://biology-forums.com/index.php?topic=849532>

### Question 1037

The patient asks the pharmacist how most medications for dysrhythmias work. What is the best response by the pharmacist?

1. "Blocking potassium, sodium, or calcium ion channels is the primary way to prevent or terminate dysrhythmias."
2. "Most medications for dysrhythmias shorten the refractory period."
3. "These medications will lower your blood pressure, which will change the rhythm of your heart."
4. "The mechanism of these drugs is unknown."

Answer: <https://biology-forums.com/index.php?topic=849577>

### Question 1038

The 2 major goals of glaucoma therapy is to decrease the outflow of aqueous humor or increase the formation of aqueous humor in order to decrease intraocular pressure.

Answer: <https://biology-forums.com/index.php?topic=849934>

### Question 1039

A patient has been diagnosed with Parkinson's disease. Based on this diagnosis, the pharmacy technician knows that there is lack of which neurotransmitter in the brain?

1. Norepinephrine
2. Sodium
3. Dopamine
4. Potassium

Answer: <https://biology-forums.com/index.php?topic=849333>

### Question 1040

The pharmacist is caring for a patient who has been using anabolic steroids for a long period of time. What behavior change does the pharmacist anticipate for this patient?

1. Liver damage and menstrual irregularities
2. Aggression and dependence
3. Depression and fatigue
4. Stress and anxiety

Answer: <https://biology-forums.com/index.php?topic=850216>

### Question 1041

A patient complains of restlessness, fatigue, nervousness, and sleep disturbances. The pharmacy technician knows these are symptoms of which clinical disorder?

1. Obsessive compulsive disorder
2. Generalized anxiety disorder
3. Panic disorder
4. Post-traumatic stress disorder

Answer: <https://biology-forums.com/index.php?topic=849259>

### Question 1042

Which statement is true about botulinum toxin type A?

1. Botox can be also taken orally.
2. At lower doses, it is a safe and effective muscle relaxant for patients with dystonia.
3. There are no side effects of Botox.
4. It can only be injected into large muscle groups.

Answer: <https://biology-forums.com/index.php?topic=850097>

### Question 1043

The pharmacist is preparing to dispense a medication to a patient. What are the checks that must occur prior to the medication being released to the patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Checking the drug after dispensing it to the patient
2. Checking the drug when taking it out of the container and preparing it.
3. Checking the drug with the original medication order or prescription.
4. Checking the drug when the prescription or medication order is entered into the dispensing system.
5. Checking the drug when he puts it back on the shelf.

Answer: <https://biology-forums.com/index.php?topic=848830>

### Question 1044

The pharmacist explains to the patient why combination therapy and special dosing schedules are used to treat cancer. Which patient response indicates the need for further teaching?

1. "This is more effective than using one medication."
2. "Lower doses of the medications can be given."
3. "The medications need to be given in higher doses when used in combination."
4. "This reduces the resistance to medication."

Answer: <https://biology-forums.com/index.php?topic=849819>

### Question 1045

If your pH is above 7.45, you are suffering from a condition known as alkalosis.

Answer: <https://biology-forums.com/index.php?topic=849729>

### Question 1046

Drugs used as IV anaesthetics include barbiturates, opioids, and benzodiazepines.

Answer: <https://biology-forums.com/index.php?topic=849464>

### Question 1047

Patients at high risk that are started on drug therapy do not need to continue their lifestyle changes.

Answer: <https://biology-forums.com/index.php?topic=849666>

### Question 1048

The pharmacist is caring for several patients who have undergone back surgeries. Which medications for the list are considered antispasmodic drugs? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Tizanidine
2. Mitoxantrone
3. Methylprednisolone
4. Baclofen
5. Ibuprofen

Answer: <https://biology-forums.com/index.php?topic=850060>

### Question 1049

Examples of secondary references would include? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. CPS
2. Therapeutic Choices
3. Trissel's Handbook of Injectable Drugs
4. Hospital for Sick Children: Pediatric Formulations

Answer: <https://biology-forums.com/index.php?topic=849185>

### Question 1050

The patient asks the pharmacist which type of diabetes is caused by a lack of insulin secretion by the pancreas. What is the best response by the pharmacist?

1. "Type II."
2. "Both types I and II."
3. "Type I."
4. "Neither—they both result from the inability of the body to use insulin."

Answer: <https://biology-forums.com/index.php?topic=850164>

### Question 1051

For medications to reach the microorganisms isolated in the tubercles of a patient suffering from tuberculosis, therapy must continue for 6 to 12 weeks.

Answer: <https://biology-forums.com/index.php?topic=849767>

### Question 1052

Sedatives-hypnotics are a class of drugs that sleep in low doses and calming effect in high doses.

Answer: <https://biology-forums.com/index.php?topic=849282>

### Question 1053

The pharmacist is caring for a patient who is receiving sodium hyaluronate (Hyalgan) injections. What should the pharmacist include in the medication teaching?

1. Continue with all activities following injection, so as not to cause stiffness.
2. Increase ROM to joint for better dispersal of the medication.
3. No weight bearing on the joint following injection.
4. Avoid strenuous exercise for 48 hours after injection.

Answer: <https://biology-forums.com/index.php?topic=850079>

### Question 1054

A patient received the hepatitis B vaccine per job policy. The pharmacist teaches the patient that the vaccine provides prophylaxis against exposure to the hepatitis B virus. How is the virus transmitted?

1. Water
2. Food
3. Germs
4. Blood

Answer: <https://biology-forums.com/index.php?topic=849894>

### Question 1055

The patient is receiving digoxin for a dysrhythmia. Why does the pharmacist expect medication levels in the blood to be monitored closely?

1. Digoxin is used for ventricular dysrhythmias.
2. Excessive levels can produce serious dysrhythmias.
3. Subtherapeutic levels are fatal.
4. Interactions with other medications are common.

Answer: <https://biology-forums.com/index.php?topic=849582>

### Question 1056

All antidysrhythmic drugs have the potential to cause a dysrhythmia.

Answer: <https://biology-forums.com/index.php?topic=849599>

### Question 1057

If the patient is entering hypovolemic shock, the pharmacist anticipates which item to be a priority?

1. Maintenance of the patient's airway
2. Administration of norepinephrine
3. Administration of sodium bicarbonate
4. Maintenance of volume

Answer: <https://biology-forums.com/index.php?topic=849673>

### Question 1058

A benzodiazepine has been prescribed for a patient with short-term insomnia. Which benzodiazepine is appropriate to treat insomnia?

1. Diazepam
2. Chlordiazepoxide
3. Clonazepam
4. Temazepam

Answer: <https://biology-forums.com/index.php?topic=849267>

### Question 1059

The pharmacist is caring for a patient who is diagnosed with a superinfection. What signs and symptoms does the pharmacist expect upon assessment of the patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Diarrhea
2. Epistaxis
3. Headache
4. Bladder pain
5. Vaginal discharge

Answer: <https://biology-forums.com/index.php?topic=849743>

### Question 1060

A patient has taken OTC acetaminophen and ibuprofen for migraine headaches without relief. Which class of medication would the pharmacist anticipate being ordered?

1. Triptans
2. Calcium channel blockers
3. Beta-adrenergic blockers
4. Tricyclic antidepressants

Answer: <https://biology-forums.com/index.php?topic=849409>

### Question 1061

HDL stands for high-density lipoproteins and is considered bad cholesterol.



Answer: <https://biology-forums.com/index.php?topic=849663>

### Question 1062

This section of the product monograph would list where the drug should never be used:

1. Indications
2. Contraindications
3. Warnings
4. Precautions

Answer: <https://biology-forums.com/index.php?topic=849197>

### Question 1063

Typical signs and symptoms of inflammation is dehydration and paleness of skin.

Answer: <https://biology-forums.com/index.php?topic=849430>

### Question 1064

The nurse is caring for a group of patients who are receiving chemotherapy. The nurse is preparing to administer the medications. Which medications does the nurse correctly identify as alkylating agents? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Cisplatin
2. Cyclophosphamide
3. Chlorambucil
4. Estramustine
5. Interferon alfa-2

Answer: <https://biology-forums.com/index.php?topic=849832>

### Question 1065

Which drugs were once used therapeutically and are now illegal because of a high potential for abuse? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. LSD
2. Barbiturates
3. Cocaine
4. Opioids
5. Heroin

Answer: <https://biology-forums.com/index.php?topic=849093>

### Question 1066

A patient has been prescribed latanoprost. The pharmacist informs the patient regarding potential side effects. Which side effect is not appropriate for the pharmacist to include in the patient teaching?

1. Decreased pigmentation
2. Dryness
3. Photophobia
4. Heightened pigmentation

Answer: <https://biology-forums.com/index.php?topic=849912>

### Question 1067

Type I diabetes mellitus is also sometimes referred to as noninsulin-dependent diabetes mellitus (NIDDM) because with this disorder the pancreas produces insulin.

Answer: <https://biology-forums.com/index.php?topic=850185>

### Question 1068

The patient receives phenelzine. Which dietary components would indicate the best planning by the pharmacist and patient? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Tomato soup
2. Avocado salad
3. Grilled chicken breast
4. Bologna sandwich
5. Wine and beer, in moderation

Answer: <https://biology-forums.com/index.php?topic=849297>

### Question 1069

If a patient has kidney disease, what is affected and what happens to drugs?

1. Metabolism is affected; drugs are metabolized slower and drugs accumulate in the body
2. Distribution is affected; drugs stay in the blood longer and are inactivated
3. Elimination is affected; drugs will accumulate in the body due to slower excretion
4. Absorption is affected; drugs will be absorbed slower and will be delayed in their action

Answer: <https://biology-forums.com/index.php?topic=849041>

### Question 1070

Active transport involves the passive transportation of a substance down the concentration gradient, from high concentration to low concentration.

Answer: <https://biology-forums.com/index.php?topic=848969>

### Question 1071

The physician has ordered medication to treat hyperthyroidism. Which medication does the pharmacist anticipate for this patient?

1. Liotrix
2. Levothyroxine
3. Propylthiouracil
4. Thyroid

Answer: <https://biology-forums.com/index.php?topic=850157>

### Question 1072

The pharmacist is educating a patient about the importance of calcium and vitamin D. Why are these items important for bone health?

1. They allow for normal blood coagulation.
2. They allow for neurotransmitter release.
3. They provide stability to the skeletal system.
4. They are important for seizure prevention.

Answer: <https://biology-forums.com/index.php?topic=850067>

### Question 1073

The pharmacist is caring for a patient who is prescribed a bacteriostatic medication. Which explanation by the pharmacist about these medications is most appropriate?

1. Both terms, bacteriostatic and bacteriocidal, have the same meaning.
2. Bacteriostatic medications must be given first.
3. Bacteriocidal medications kill bacteria, and bacteriostatic medications slow the growth of bacteria.
4. Bacteriocidal medications slow the growth of bacteria, and bacteriostatic medications kill bacteria.

Answer: <https://biology-forums.com/index.php?topic=849736>

### Question 1074

The physician has ordered a non-pharmacologic therapy for a patient diagnosed with bradycardia. The pharmacist anticipates what to be ordered for this patient?

1. Defibrillation
2. Cardiac pacemakers
3. Cardioversion
4. Increased exercise

Answer: <https://biology-forums.com/index.php?topic=849575>

### Question 1075

Osmotic diuretics reduce plasma volume and therefore represent one approach to reduce the formation of aqueous humor in clients with glaucoma.

Answer: <https://biology-forums.com/index.php?topic=849935>

### Question 1076

Extreme metabolic shifts may cause seizures.

Answer: <https://biology-forums.com/index.php?topic=849379>

### Question 1077

Which hormones that regulate blood glucose levels are secreted by the pancreas? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Glucagon

2. Insulin
3. Antidiuretic hormone
4. Growth hormone
5. Estrogen

Answer: <https://biology-forums.com/index.php?topic=850161>

### Question 1078

The pharmacist is assessing a patient who is diagnosed with hypocalcemia. What findings does the pharmacist anticipate?

1. Hypertension and tachycardia
2. Muscle weakness and bone pain
3. Bleeding problems or bruising
4. Muscle twitching or tremor

Answer: <https://biology-forums.com/index.php?topic=850071>

### Question 1079

Current clinical guidelines recommend that the initial treatment of patients infected with HIV include one of the following therapies: (select all that apply) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. A protease inhibitor (boosted with small amounts of ritonavir) plus two NRTIs
2. An antiviral such as acyclovir along with oseltamivir
3. An NNRTI plus two NRTIs
4. Combination of two antibiotics such as vancomycin and gentamicin

Answer: <https://biology-forums.com/index.php?topic=849781>

### Question 1080

Which of the following would be a way to increase patient compliance? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Having the patient put their medications within a pill organizer.
2. Blister packaging the medications into a compliance pack.
3. Making up a dosing calendar for the patient.
4. Talking to the patient about taking the medications only when they feel symptoms.

Answer: <https://biology-forums.com/index.php?topic=848834>

### Question 1081

The patient asks the pharmacy technician what causes depression. What is the best answer by the pharmacy technician?

1. "There are many causes, including genetics, hormone changes, grief, substance abuse, and prescription drugs."
2. "Most people are not really depressed. They are just looking for attention."
3. "The main cause of depression is substance abuse."
4. "Most people who are depressed suffer from seasonal affective disorder."

Answer: <https://biology-forums.com/index.php?topic=849288>

### Question 1082

Which of the following statements is false?

1. Eye solutions can be used to treat ear conditions.
- b. Ophthalmics do not last as long as other treatments because of blinking of the eye and tearing.
- c. Systemic absorption of an eye solution may occur from drainage through tear ducts
- d. When compared to eye drops, eye ointments allow the person to see clearly immediately after insertion.

Answer: <https://biology-forums.com/index.php?topic=848862>

### Question 1083

Amphotericin B and fluconazole are the most frequently prescribed drugs for serious systemic fungal infections.

Answer: <https://biology-forums.com/index.php?topic=849797>

### Question 1084

The patient receives temazepam at bedtime for sleep. The patient tells the pharmacist that he also has a glass of wine before bed to help him sleep. What is the pharmacist's best response?

1. "One glass of wine is okay, but be sure not to have more than that."
2. "Combining wine with your medication will decrease the effectiveness of your medication."
3. "This is okay as long as you have a high-fat meal with your wine."
4. "Combining wine with your medication can sedate you and cause breathing problems."

Answer: <https://biology-forums.com/index.php?topic=849274>

### Question 1085

Which medication is used to treat both sickle-cell anemia and psoriatic symptoms?

1. Tarzartotene
2. Hydroxyurea
3. Adapalene
4. Calcipotriene

Answer: <https://biology-forums.com/index.php?topic=850133>

### Question 1086

When levels of blood glucose fall, the pancreas secretes glucagon, causing the liver to break down glycogen, releasing glucose to raise the blood levels.

Answer: <https://biology-forums.com/index.php?topic=850184>

### Question 1087

Symptoms of Parkinson's would include: (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Tremors
2. Muscle rigidity
3. Tachykinesia
4. Postural stability

Answer: <https://biology-forums.com/index.php?topic=849332>

### Question 1088

Which items are considered medically therapeutic? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. Traditional drugs
2. Sunscreens
3. Biologics
4. Natural alternative therapies
5. Antiperspirants

Answer: <https://biology-forums.com/index.php?topic=848596>

### Question 1089

A patient complains of increased body metabolism, tachycardia, weight loss, high body temperature, and anxiety. Based on the assessment findings, what diagnosis does the pharmacist anticipate for this patient?

1. Hypothyroidism
2. Type II diabetes
3. Type I diabetes
4. Hyperthyroidism

Answer: <https://biology-forums.com/index.php?topic=850149>

### Question 1090

Pure opioids would bind to the mu and kappa receptors to produce a strong pain killing effect.

Answer: <https://biology-forums.com/index.php?topic=849425>

### Question 1091

Which of the following IV fluids is not a crystalloid?

1. Plasma protein fraction
2. Plasmalyte
3. Normal saline
4. Hypertonic saline

Answer: <https://biology-forums.com/index.php?topic=849693>

### Question 1092

The pharmacist is caring for a patient who is diagnosed with a highly virulent organism. The patient's family asks you what this means. What is the best response by the pharmacist?

1. The organism produces disease when present in small numbers.
2. The organism does not produce disease.

3. The organism produces disease when present in large numbers.
4. The organism produces disease when the immune system is suppressed.

Answer: <https://biology-forums.com/index.php?topic=849732>

### Question 1093

What are the two divisions of the anterior cavity? (Select all that apply.) Note: Credit will be given only if all correct choices and no incorrect choices are selected.

1. the anterior chamber
2. the posterior chamber
3. the ciliary body
4. the trabecular meshwork

Answer: <https://biology-forums.com/index.php?topic=849903>

### Question 1094

The goal of anti-seizure medication is to completely suppress neuronal activity in the brain.

Answer: <https://biology-forums.com/index.php?topic=849381>

### Question 1095

A pharmacy technician student asks what the difference between a therapeutic class and a pharmacologic class is. What is the best response by the technician educator?

1. Therapeutic classification is how the medication produces an effect in the body, whereas pharmacologic classification is how a medication works clinically.
2. Therapeutic classification is how addictive a medication is, whereas pharmacologic classification is how the medication produces an effect in the body.
3. There are no differences between therapeutic and pharmacologic classes.
4. Pharmacologic classification is how the medication produces an effect in the body, whereas therapeutic classification is how a medication works clinically.

Answer: <https://biology-forums.com/index.php?topic=848735>

### Question 1096

Patients with Alzheimer's disease experience a dramatic loss of ability to perform tasks that require this CNS neurotransmitter.

1. Dopamine
2. Norepinephrine
3. Acetylcholine
4. Serotonin

Answer: <https://biology-forums.com/index.php?topic=849334>

### Question 1097

Non-pharmacological measures to treat muscle spasms and spasticity include immobilization of the affected muscle, application of heat or cold, and supervised exercises.

Answer: <https://biology-forums.com/index.php?topic=850102>

### Question 1098

Stool softeners cause more water and fat to be absorbed into the stools and are used most often used to prevent constipation.

Answer: <https://biology-forums.com/index.php?topic=849996>

### Question 1099

Interferon, a biologic response modifier, is effective as chemotherapy alone or with other antineoplastics due to its stimulation of the body's immune system.

Answer: <https://biology-forums.com/index.php?topic=849842>