

Question 1

Fewer adverse effects are associated with monoclonal antibody therapy than those of cytotoxic drugs. However, some of the potential adverse effects of monoclonal antibodies can be life threatening, including which of the following?

- A) Heart failure and bleeding problems
- B) Changes in cognition and personality changes
- C) Ischemic heart disease
- D) Bronchoconstriction and pulmonary edema

Answer: <https://biology-forums.com/index.php?topic=1908143>

Question 2

A patient has been prescribed omeprazole by her primary care provider. When questioned by the nurse about her perceived effectiveness of the drug, the patient states, I think it's working quite well, and I've gotten in the routine of taking it every morning before breakfast. How should the nurse respond?

- A) That's good, but remember that you shouldn't take it on days when you're not having any symptoms.
- B) I'm glad it's working for you, but you'll probably find it works even better if you take it after eating.
- C) That's great. If you find later that it's not working as well, you might want to try taking it at bedtime.
- D) I'm glad to hear that. It sounds like you're taking it exactly like it should be taken.

Answer: <https://biology-forums.com/index.php?topic=1908385>

Question 3

When instructing the parents of a child who has received immunization in the vastus lateralis, which reaction is most common in the days after the administration?

- A) Nausea, vomiting, and diarrhea
- B) Rash and edema
- C) Weakness and difficulty walking
- D) Tenderness and redness at the site

Answer: <https://biology-forums.com/index.php?topic=1908116>

Question 4

A patient is prescribed indinavir sulfate (Crixivan) for the treatment of HIV infection. What patient teaching should be provided regarding renal function?

- A) Drink grape juice daily for antioxidants.
- B) Drink grapefruit juice to enhance absorption.
- C) Assess for pulmonary edema.
- D) Consume at least 48 ounces of fluid per day.

Answer: <https://biology-forums.com/index.php?topic=1908236>

Question 5

A patient with asthma has been taking ibuprofen (Advil) twice daily for 2 weeks after an ankle injury. The patient calls her health care provider and states she is bothered by shortness of breath and rapid breathing. What will the patient's health care provider suspect?

- A) The patient is having an anxiety attack.
- B) The patient has a sensitivity to the drug.
- C) The patient is experiencing hypoglycemia.
- D) The patient is suffering from a myocardial infarction.

Answer: <https://biology-forums.com/index.php?topic=1908332>

Question 6

A 71-year-old woman has experienced a sharp decline in her mobility and quality of life due to severe rheumatoid arthritis. As a result, her care provider has recently prescribed abatacept (Orencia). This fusion protein inhibitor will achieve a therapeutic effect by what means?

- A) Preventing the activation of T cells
- B) Increasing antibody production by B cells
- C) Antagonizing histamine receptors
- D) Inhibiting the production of mast cells

Answer: <https://biology-forums.com/index.php?topic=1908128>

Question 7

A patient is administered a sulfonamide for a urinary tract infection. Which of the following nursing interventions is most appropriate to increase the alkalinity of the patient's urine?

- A) Provide at least 2000 mL of water daily.
- B) Administer sodium bicarbonate.
- C) Recommend a tub bath every evening.
- D) Provide orange juice daily.

Answer: <https://biology-forums.com/index.php?topic=1908208>

Question 8

A patient started taking ramipril earlier in the week for the treatment of hypertension. At her latest clinic visit, she has stated that she now has a nagging, dry cough. How should the nurse best follow up the patient's statement?

- A) Inform the patient that the drug should be immediately discontinued.
- B) Inform the patient that this is an adverse effect of the medication that may lead to pneumonitis.
- C) Explain why it will be necessary to obtain a sputum sample.
- D) Explain that drugs like ramipril often cause a cough.

Answer: <https://biology-forums.com/index.php?topic=1908307>

Question 9

An older adult patient is recovering in hospital from an ischemic stroke and has a feeding tube in place due to dysphagia. The patient has developed an infected pressure ulcer, and ciprofloxacin suspension has been ordered as empiric therapy. How should the nurse follow up this order?

- A) The nurse should flush the patient's feeding tube with free water before and after administration of the ciprofloxacin suspension.
- B) The nurse should dilute the suspension thoroughly before administration.
- C) The nurse should liaise with the care provider to provide an alternative route of administration.
- D) The nurse should administer small, frequent doses of the drug to minimize GI upset.

Answer: <https://biology-forums.com/index.php?topic=1908202>

Question 10

A new medication for the treatment of Alzheimer's disease is being administered to a group of subjects with the disease. The subjects receiving this medication are unaware of whether they are being administered the medication or whether they are receiving a placebo. This testing occurs in which phase of the drug approval process?

- A) Phase I
- B) Phase II
- C) Phase III
- D) Phase IV

Answer: <https://biology-forums.com/index.php?topic=1908005>

Question 11

A woman is at 42 weeks of gestation. Which of the following medications will be administered to promote cervical ripening?

- A) Calcium gluconate
- B) Magnesium sulfate
- C) Terbutaline (Brethine)
- D) Dinoprostone (Cervidil)

Answer: <https://biology-forums.com/index.php?topic=1908078>

Question 12

An adult hospital patient has been experiencing intractable nausea and vomiting for several hours, so the nurse has obtained an order for an antiemetic from the primary care provider. The order reads: Promethazine 25 mg sub-Q every 6 hours PRN. The nurse should contact the care provider to question what aspect of this order?

- A) The drug
- B) The dose
- C) The route
- D) The frequency

Answer: <https://biology-forums.com/index.php?topic=1908396>

Question 13

A patient has been taking digoxin (Lanoxin) for 5 years for the treatment of heart failure. In the last 3 months, she has noticed she is tired all the time, her heart rate is very slow, and she is always cold. The nurse assessing the patient notes her blood pressure at 88/50 and pulse rate is 44. The nurse instructs the patient not to take her digoxin. What condition may the patient be suffering from that would contraindicate the administration of digoxin?

- A)Hypothyroidism
- B)Myocardial infarction
- C)Cerebrovascular accident
- D)Intermittent claudication

Answer: <https://biology-forums.com/index.php?topic=1908262>

Question 14

A surgical patient's postoperative orders include the twice-daily administration of docusate sodium. The patient is concerned about developing diarrhea from this medication, so the nurse has begun patient education. What should the nurse teach the patient about docusate sodium?

- A)This medication will soften your stools over the next couple of days.
- B)You'll usually have a bowel movement within 2 to 3 hours of taking this.
- C)This medication will cause your bowels to contract more strongly than they normally do.
- D)This drug will help you pass regular stools while you're in the hospital, but you should not take it for more than 5 days.

Answer: <https://biology-forums.com/index.php?topic=1908408>

Question 15

A patient has been using phenylephrine (Neo-Synephrine) for nasal congestion. He states to the nurse that he is using more every day because his nose is so congested. What effect is the medication producing?

- A)Reflex bradycardia
- B)Mucosal hemorrhage
- C)Tachycardia
- D)Rebound congestion

Answer: <https://biology-forums.com/index.php?topic=1908292>

Question 16

A patient is receiving intravenous amphotericin. Which of the following assessments warrants the discontinuation of the antifungal agent?

- A)Sodium of 138 mEq/L
- B)Hematocrit of 39%
- C)Blood urea nitrogen of 60 mg/dL
- D)AST 10 Unit/L

Answer: <https://biology-forums.com/index.php?topic=1908248>

Question 17

A patient is diagnosed with an adrenal tumor. With which of the following abnormalities of the adrenal gland will the patient most likely be diagnosed?

- A)Primary adrenocortical insufficiency
- B)Secondary adrenocortical insufficiency
- C)Adrenocortical hyperfunction
- D)Hyperaldosteronism

Answer: <https://biology-forums.com/index.php?topic=1908170>

Question 18

A clinic nurse is teaching the parents of toddler about the safe and effective use of an EpiPen after the child was diagnosed with severe nut allergies. What instruction should the nurse convey to the parents?

- A)It's prudent to administer a small dose of epinephrine if you want to prevent a future reaction.
- B)Only use your EpiPen if you've tried oral medications and they've been ineffective.
- C)The thigh is usually the ideal place to inject the EpiPen.
- D)Keep administering repeated doses of epinephrine until your child's symptoms abate.

Answer: <https://biology-forums.com/index.php?topic=1908296>

Question 19

A patient is admitted to the emergency department with a suspected overdose of acetaminophen (Tylenol). What adverse effect is most common in acute or chronic overdose of acetaminophen (Tylenol)?

- A)Nephrotoxicity
- B)Hepatotoxicity
- C)Pulmonary insufficiency
- D)Pancreatitis

Answer: <https://biology-forums.com/index.php?topic=1908167>

Question 20

A child is experiencing severe flu-like symptoms with nausea and vomiting and is admitted to the hospital. Which disorder in children will contraindicate the administration of promethazine?

- A) Chickenpox
- B) Endocarditis
- C) Reye's syndrome
- D) Hypertensive crisis

Answer: <https://biology-forums.com/index.php?topic=1908325>

Question 21

A patient with ulcers has asked the nurse if it would be acceptable for him to take bismuth subsalicylate. Before recommending an OTC formulation of this drug, the nurse should assess the patient's

- A) immunization history.
- B) allergy status.
- C) cognition.
- D) normal bowel pattern.

Answer: <https://biology-forums.com/index.php?topic=1908388>

Question 22

A health care worker has received her annual influenza vaccination and has remained at the clinic after administration so that the nurse may observe for adverse reactions. The worker complains of pain at the site of IM injection. The nurse should recommend which of the following?

- A) ASA
- B) Acetaminophen
- C) Meperidine (Demerol)
- D) Heat application

Answer: <https://biology-forums.com/index.php?topic=1908119>

Question 23

A woman in preterm labor has been administered terbutaline sulfate (Brethine). For what potential adverse effects should the nurse assess the patient?

- A) Pruritus (itching) and copious diaphoresis
- B) Joint pain and numbness in her extremities
- C) Headache and visual disturbances
- D) Palpitations and shortness of breath

Answer: <https://biology-forums.com/index.php?topic=1908073>

Question 24

An older adult's constipation has not responded to first-line laxatives, so lactulose has been prescribed. The nurse should know that this medication achieves a therapeutic effect by which of the following means?

- A) Decreasing the viscosity of intestinal contents in the duodenum
- B) Pulling water into the intestinal lumen by osmotic pressure
- C) Irritating the intestinal mucous membrane
- D) Relaxing the muscle tone of the ileocecal valve and anal sphincter

Answer: <https://biology-forums.com/index.php?topic=1908404>

Question 25

A patient is admitted to a neurological unit with a confirmed cerebrovascular bleed. Which of the following medications used to treat inflammation is contraindicated in this patient?

- A) Furosemide (Lasix)
- B) Hydrochlorothiazide with triamterene
- C) Digoxin (Lanoxin)
- D) Ketorolac (Toradol)

Answer: <https://biology-forums.com/index.php?topic=1908164>

Question 26

A patient has sought care from her primary care provider after feeling under the weather for several days. The care provider suspects that the patient

is suffering from a viral illness. What signs and symptoms typically accompany viral infections? Select all that apply.

- A) Increased white cell count
- B) Idiopathic bleeding
- C) Malaise
- D) Fever
- E) Headache

Answer: <https://biology-forums.com/index.php?topic=1908237>

Question 27

An influenza outbreak has spread through a long-term care residence, affecting many of the residents with severe malaise, fever, and nausea and vomiting. In an effort to curb the outbreak, the nurse has liaised with a physician to see if residents may be candidates for treatment with what drug?

- A) Saquinavir mesylate
- B) Oseltamivir phosphate
- C) Lamivudine
- D) Ribavirin

Answer: <https://biology-forums.com/index.php?topic=1908239>

Question 28

Trials of a new drug are scheduled to soon begin and the testing methodology will integrate the stipulations of the National Institutes of Health (NIH) Revitalization Act. According to this act, the manufacturer must

- A) independently fund the entire testing process.
- B) make the results of the testing process publicly available.
- C) include women and minorities in the testing process.
- D) exclude any potential for financial gain during the testing process.

Answer: <https://biology-forums.com/index.php?topic=1908014>

Question 29

A patient is discharged from the hospital with a prescription of warfarin (Coumadin). Which of the following statements indicates successful patient teaching?

- A) If I miss a dose, I will take two doses.
- B) I will avoid herbal remedies.
- C) I will eat spinach or broccoli daily.
- D) I will discontinue my other medications.

Answer: <https://biology-forums.com/index.php?topic=1908089>

Question 30

A patient is diagnosed with hypertension, and the care team is establishing the best medication regimen to match the patient's decreased level of function. Which of the following medications can be administered by transdermal patch?

- A) Amlodipine (Norvasc)
- B) Candesartan (Atacand)
- C) Enalapril (Vasotec)
- D) Clonidine (Catapres)

Answer: <https://biology-forums.com/index.php?topic=1908302>

Question 31

A patient is being administered digoxin (Lanoxin) for treatment of heart failure. At what level should the serum potassium level be maintained?

- A) 1.5 to 2.0 mEq/L
- B) 3.5 to 5.0 mEq/L
- C) 6.0 to 8.0 mEq/L
- D) 8.5 to 10 mEq/L

Answer: <https://biology-forums.com/index.php?topic=1908265>

Question 32

The nurse has measured a patient's capillary blood glucose and is preparing to administer NPH insulin. Which of the following actions should the nurse perform?

- A) Administer intramuscularly.
- B) Rotate the liquid.
- C) Vigorously shake the vial.

D)Administer intradermally.

Answer: <https://biology-forums.com/index.php?topic=1908031>

Question 33

A patient who is receiving chemotherapy is administered a corticosteroid agent. What is the mostly likely intended effect of this drug administration?

- A)Increased pulmonary function
- B)Decreased diarrhea
- C)Decreased infection susceptibility
- D)Decreased nausea

Answer: <https://biology-forums.com/index.php?topic=1908177>

Question 34

A patient enters the emergency room with complaints of visual changes, drowsiness, and tinnitus. The patient is confused and hyperventilating. These symptoms may be attributable to which of the following?

- A)Acute acetaminophen toxicity
- B)Salicylism
- C)Ibuprofen overdose
- D)Caffeine overdose

Answer: <https://biology-forums.com/index.php?topic=1908166>

Question 35

A nurse has begun the assessment process with an obese patient who states that he is highly motivated to lose weight. How can the nurse most accurately gauge the patient's normal eating and drinking patterns?

- A)Have the patient keep a detailed food diary for 2 or 3 days.
- B)Ask the patient to describe a typical meal and snack.
- C)Check laboratory reports of total and LDL cholesterol, triglycerides, and blood sugar.
- D)Have the patient describe the differences between a healthy meal and an unhealthy meal.

Answer: <https://biology-forums.com/index.php?topic=1908377>

Question 36

A woman was administered misoprostol (Cytotec) in an effort to induce labor, but the care team is unsatisfied with the results. Consequently, oxytocin will be used. Prior to administering oxytocin, what must occur?

- A)Four hours must elapse after the last dose of misoprostol.
- B)The woman must have a type and cross-match performed.
- C)The woman must receive a bolus of 500-mL normal saline.
- D)The woman must have her electrolytes measured.

Answer: <https://biology-forums.com/index.php?topic=1908080>

Question 37

A 32-year-old female patient is being treated with a cytotoxic antineoplastic agent. Which of the following is the most important instruction related to the potential for teratogenicity?

- A)The medication will be completely eliminated 24 hours after the administration.
- B)The patient should protect herself from infections and take Bactrim.
- C)The patient should not become pregnant for several months.
- D)The patient will not get pregnant due to the elimination of ova.

Answer: <https://biology-forums.com/index.php?topic=1908142>

Question 38

It is important for the nurse to stay informed of the most current recommendations for immunizations. Which of the following sources is most accurate regarding immunization guidelines?

- A)American Academy of Pediatrics
- B)American Academy of Family Physicians
- C)American Academy of Infectious Disease Physicians
- D)Centers for Disease Control and Prevention

Answer: <https://biology-forums.com/index.php?topic=1908113>

Question 39

A patient has been administered methotrexate, which is a purine antagonist used to treat a rapidly growing tumor. The patient develops stomatitis. What is the priority nursing diagnosis for a patient suffering from stomatitis?

- A) Impaired skin integrity
- B) Activity intolerance
- C) Self-care deficit: hygiene
- D) Risk for disuse syndrome

Answer: <https://biology-forums.com/index.php?topic=1908140>

Question 40

A patient with a diagnosis of active TB has begun second-line therapy that includes the use of pyrazinamide. When monitoring this patient, the nurse should suspect that adverse effects of this drug may account for which of the following laboratory values?

- A) Low hematocrit and mean corpuscular volume (MCV)
- B) Increased INR and aPTT
- C) Increased blood urea nitrogen and creatinine
- D) Increased AST, ALT, and GGT

Answer: <https://biology-forums.com/index.php?topic=1908229>

Question 41

A patient with hypertension has been prescribed a combination diuretic. What is the major purpose in administering a combination diuretic agent?

- A) It prevents sodium imbalance.
- B) It is less expensive than two medications.
- C) It prevents potassium imbalance.
- D) It prevents allergic reactions.

Answer: <https://biology-forums.com/index.php?topic=1908345>

Question 42

A woman who takes highly active antiretroviral therapy (HAART) for HIV/AIDS has become pregnant. What effect will the woman's pregnancy have on her drug regimen?

- A) She must discontinue HAART due to the risk of teratogenic effects.
- B) Her dosages of HAART must be increased to reduce the risk of in utero transmission.
- C) She can continue her HAART unchanged.
- D) Some components of her HAART must be replaced or discontinued.

Answer: <https://biology-forums.com/index.php?topic=1908077>

Question 43

An adult patient has questioned whether fexofenadine (Allegra) would be preferable to the first-generation H1 receptor antagonists that he has long taken in the treatment of his environmental allergies. When describing the benefits of second-generation drugs such as Allegra, the nurse should cite what advantage?

- A) Lower cost
- B) Decreased sedation
- C) Absence of adverse effects
- D) Once-weekly dosing

Answer: <https://biology-forums.com/index.php?topic=1908328>

Question 44

A patient with a history of homelessness has been diagnosed with nutritional deficits that include a vitamin E deficiency. What aspect of the patient's current health status would contraindicate the safe and effective use of vitamin E supplements?

- A) Cirrhosis
- B) Thrombocytopenia
- C) Low serum albumin
- D) IV opioid abuse

Answer: <https://biology-forums.com/index.php?topic=1908363>

Question 45

A patient is administered aztreonam (Azactam). What is the major advantage of this monobactam over the aminoglycosides in treating *P. aeruginosa*?

- A) It is a lower-cost medication.
- B) It is administered orally.
- C) It causes less GI distress.

D)It has lower risk for hearing loss.

Answer: <https://biology-forums.com/index.php?topic=1908186>

Question 46

The physician orders potassium chloride 40 mEq to be added to the patient's IV solution. The vial reads 10 mEq/5 mL. How many milliliters will be added to the IV solution?

- A)0.25 mL
- B)20 mL
- C)200 mL
- D)40 mL

Answer: <https://biology-forums.com/index.php?topic=1908027>

Question 47

Defecation is normally stimulated by what physiologic trigger?

- A)Movements and reflexes in the gastrointestinal tract
- B)Stimulation from the medulla oblongata
- C)Synthesis and release of digestive enzymes
- D)Changes in the osmolarity of bowel contents

Answer: <https://biology-forums.com/index.php?topic=1908401>

Question 48

An older adult has told the nurse practitioner that she has regularly drunk mineral oil to treat occasional episodes of constipation. The nurse should encourage the patient to explore other treatments because the use of oral mineral oil can result in

- A)edema from changes in intestinal solute content.
- B)paralytic ileus.
- C)rebound constipation.
- D)decreased absorption of drugs and vitamins.

Answer: <https://biology-forums.com/index.php?topic=1908407>

Question 49

Sirolimus and cyclosporine are being used to prevent renal transplant rejection in an adult patient. What principle should guide the nurse's administration of these two drugs?

- A)Sirolimus should be given orally; cyclosporine should be administered IV.
- B)The two drugs should be administered together to potentiate their effects.
- C)The two drugs should be given at least 4 hours apart.
- D)The drugs should be administered in a single intramuscular injection.

Answer: <https://biology-forums.com/index.php?topic=1908125>

Question 50

An adult patient is administered hydroxyzine for nausea. What adverse effect is most likely with this medication?

- A)Thrombocytopenia
- B)Palpitations
- C)Hypertonic muscle tone
- D)Dry mouth

Answer: <https://biology-forums.com/index.php?topic=1908393>

Question 51

A woman in labor is being treated with magnesium sulfate intravenously and is beginning to show signs and symptoms of hypermagnesemia. The infusion has been discontinued, and the nurse should anticipate administration of what drug?

- A)Metoprolol (Lopressor)
- B)Calcium gluconate
- C)Potassium chloride
- D)Furosemide (Lasix)

Answer: <https://biology-forums.com/index.php?topic=1908071>

Question 52

An older adult patient has just been diagnosed with community-acquired pneumonia and aztreonam (Azactam) has been ordered. What action should

the nurse perform before administering the first dose?

- A) Administer a 500 mL bolus of normal saline.
- B) Confirm the patient's allergy status.
- C) Swab the patient's nares for the presence of MRSA.
- D) Teach the patient to expect discolored urine during treatment.

Answer: <https://biology-forums.com/index.php?topic=1908189>

Question 53

You are the nurse educating new parents on prevention and treatment of constipation with infants. What is the most effective and safest way to treat constipation in infants prior to bowel training?

- A) Milk of magnesia
- B) Sorbitol
- C) Dulcolax suppositories
- D) Glycerin suppositories

Answer: <https://biology-forums.com/index.php?topic=1908405>

Question 54

A pediatric patient is administered epinephrine to treat bronchospasm as a result of acute asthma. What effect should the patient be monitored for?

- A) Edema
- B) Syncope
- C) Bradycardia
- D) Hemorrhage

Answer: <https://biology-forums.com/index.php?topic=1908293>

Question 55

A patient is diagnosed with hypertension and is being treated with captopril (Capoten). Which of the following patients should be administered captopril as the first-line treatment?

- A) A patient with diabetes mellitus
- B) A patient with asthma
- C) A patient with glaucoma
- D) A patient with angina pectoris

Answer: <https://biology-forums.com/index.php?topic=1908300>

Question 56

A woman in her last trimester of pregnancy is diagnosed with toxemia. The patient is admitted to labor and delivery and suffers a seizure. What medication will be administered parenterally?

- A) Magnesium oxide
- B) Magnesium sulfate
- C) Potassium chloride
- D) Calcium gluconate

Answer: <https://biology-forums.com/index.php?topic=1908360>

Question 57

A patient with a history of heart failure is being treated with digoxin (Lanoxin). The nurse knows that this medication increases the force of contractions of the heart. What effect improves the contractility of the heart?

- A) Positive chronotropic effect
- B) Positive inotropic effect
- C) Negative inotropic effect
- D) Negative dromotropic effect

Answer: <https://biology-forums.com/index.php?topic=1908260>

Question 58

A patient is taking ibuprofen (Motrin) for knee pain. The patient is admitted to the hospital with abdominal pain. Which of the following assessments should the nurse prioritize?

- A) Assessment for diarrhea
- B) Assessment for occult blood in the patient's stool
- C) Assessment of the patient's urine for hematuria
- D) Assessment for hemoptysis

Answer: <https://biology-forums.com/index.php?topic=1908161>

Question 59

A woman is being administered IV magnesium sulfate. What is a desired outcome related to the administration of magnesium sulfate?

- A) Increased contractions
- B) Respiratory rate above 18
- C) Decreased blood pressure
- D) Increased uterine tone

Answer: <https://biology-forums.com/index.php?topic=1908069>

Question 60

A patient's fluid overload has required several doses of furosemide (Lasix). Which medication will be administered if the patient's serum potassium level is 2.8 mEq/L?

- A) Potassium chloride
- B) Calcium gluconate
- C) Potassium carbonate
- D) Sodium polystyrene sulfonate (Kayexalate)

Answer: <https://biology-forums.com/index.php?topic=1908361>

Question 61

A patient is exposed to a viral infection. What role will interferon most likely play during this exposure?

- A) It will stimulate B-lymphocyte activity.
- B) It will interfere with stem cell multiplication.
- C) It will stimulate growth of lymphoid cells.
- D) It will interfere with virus replication.

Answer: <https://biology-forums.com/index.php?topic=1908095>

Question 62

A patient has expressed frustration at the fact that he has been taking Sudafed for several days and it still hasn't really cured my cold. What teaching point should the nurse convey to the patient?

- A) Drugs like this can often relieve some of the symptoms of a cold, but they won't cure it.
- B) Most people find that cold medications are essentially ineffective.
- C) It usually takes between 6 and 8 days for Sudafed to cure your cold.
- D) Sudafed can sometimes mask the effects of your cold, essentially prolonging it.

Answer: <https://biology-forums.com/index.php?topic=1908311>

Question 63

A patient is stung by a bee. What is the chemical mediator released in immune and inflammatory response to the bee sting?

- A) Norepinephrine
- B) Mast cells
- C) Epinephrine
- D) Histamine

Answer: <https://biology-forums.com/index.php?topic=1908320>

Question 64

An adult patient is preparing to begin corticosteroid treatment for rheumatoid arthritis. When teaching this patient about the appropriate use of corticosteroids, the nurse should include what teaching point?

- A) You will likely gain some weight after you start taking this drug.
- B) Try to eat as many organic and natural foods as possible while taking this drug.
- C) You might have some slight bleeding in your stool after you start this drug.
- D) Ensure that you vary the times that you take your drug in order to maximize effectiveness.

Answer: <https://biology-forums.com/index.php?topic=1908180>

Question 65

A new mother asks why her baby receives vitamin K IM at birth. What is the best statement to explain the need for vitamin K in a newborn?

- A) The administration of vitamin K prevents her from bleeding.
- B) Your infant will need multiple injections of vitamin K to prevent health problems.

- C)Your infant will need the conjugated iron in vitamin K to protect her from infection.
D)Vitamin K helps boost her nutrition until she's able to feed more efficiently.

Answer: <https://biology-forums.com/index.php?topic=1908359>

Question 66

A 69-year-old female patient has been diagnosed with malignant melanoma. The care team has collaborated with the patient and her family and agreed on a plan of care that includes administration of interferon alfa-2b. After administering interferon alfa-2b, the oncology nurse should anticipate that the patient may develop which of the following adverse effects?

- A)Profound diaphoresis
B)Decreased level of consciousness
C)Flu-like symptoms
D)Cyanosis and pallor

Answer: <https://biology-forums.com/index.php?topic=1908106>

Question 67

A woman has been prescribed paroxetine hydrochloride, which is an antidepressant agent administered in pill form. The medication is administered for her obsessive-compulsive disorder. This medication will produce which of the following effects?

- A)Curative
B)Systemic
C)Local
D)Parenteral

Answer: <https://biology-forums.com/index.php?topic=1908004>

Question 68

A nursing student is scheduled to receive the hepatitis B series. What type of immunity will this immunization provide?

- A)Active immunity
B)Passive immunity
C)Innate immunity
D)Natural immunity

Answer: <https://biology-forums.com/index.php?topic=1908112>

Question 69

A nature photographer will be embarking on a trip to sub-Saharan Africa and is beginning a protocol for malaria prophylaxis involving 500 mg of chloroquine phosphate (Aralen). What instruction should the nurse include in this patient's health education?

- A)Make sure you take your pill on the same day each week.
B)It's not unusual to develop a rash on your trunk and arms, but this isn't cause for concern.
C)You'll need to plan ahead so that you take your chloroquine on an empty stomach.
D)We'll need to provide you with enough syringes and teach you how to inject the drug.

Answer: <https://biology-forums.com/index.php?topic=1908252>

Question 70

A patient who is 6 feet tall and weighs 280 pounds will require which of the following doses?

- A)Higher dose than a patient who weighs 180 pounds
B)Lower dose than a patient who weighs 180 pounds
C)Same dose as a patient who weighs 180 pounds
D)A parenteral rather than oral dose

Answer: <https://biology-forums.com/index.php?topic=1908016>

Question 71

A neonatal intensive care unit nurse is caring for an infant with RSV. What route of delivery will the nurse use when ribavirin (Virazole) is administered?

- A)Oral suspension
B)Topical
C)Intravenous
D)Inhaled

Answer: <https://biology-forums.com/index.php?topic=1908234>

Question 72

A nurse who provides care on a postsurgical unit frequently administers Schedule II drugs to patients. Which of the following aspects of administering these drugs falls under the auspices of the Drug Enforcement Agency?

- A) Performing a thorough patient assessment prior to administration
- B) Recording each dose administration on an agency narcotic sheet
- C) Informing patients of the potential risks and benefits of Schedule II drugs prior to the first dose
- D) Assessing the patient shortly after administration to ensure therapeutic effect

Answer: <https://biology-forums.com/index.php?topic=1908013>

Question 73

A patient is to be administered an immunization. The serum contains aluminum phosphate. What route is most appropriate to administer this immunization?

- A) Intramuscularly
- B) Subcutaneously
- C) Intravenously
- D) Orally

Answer: <https://biology-forums.com/index.php?topic=1908110>

Question 74

When instructing a patient on a no-added-salt diet, the nurse should instruct the patient on foods with hidden salt. Which of the following foods has hidden salt and should be avoided?

- A) Ice cream
- B) Dehydrated apple chips
- C) Bread
- D) Canned soup

Answer: <https://biology-forums.com/index.php?topic=1908264>

Question 75

An 80-year-old patient with chronic renal failure is admitted to the hospital with herpes simplex. The acyclovir (Zovirax) is to be administered parenterally. When preparing to administer this medication, what would the nurse expect in regard to the dose?

- A) The dose is smaller due to the herpes simplex.
- B) The dose is smaller based on the patient's kidney function.
- C) The dose is higher in treating genital herpes.
- D) The dose is higher if the creatinine is above 4.0 mg/dL.

Answer: <https://biology-forums.com/index.php?topic=1908232>

Question 76

A 79-year-old woman has been brought to the emergency department by ambulance with signs and symptoms of ischemic stroke. The care team would consider the STAT administration of what drug?

- A) Low molecular weight heparin
- B) Vitamin K
- C) Clopidogrel (Plavix)
- D) Alteplase (Activase)

Answer: <https://biology-forums.com/index.php?topic=1908092>

Question 77

An adult female patient has been living with human immunodeficiency virus (HIV) for several years but has recently been admitted to the hospital after being diagnosed with herpes simplex. How would this patient's herpes infection most likely be characterized?

- A) Community-acquired infection
- B) Opportunistic infection
- C) Secondary infection
- D) Nosocomial infection

Answer: <https://biology-forums.com/index.php?topic=1908157>

Question 78

A patient with a diagnosis of bladder cancer is started on a chemotherapeutic regimen that includes three agents. What is the rationale for using

multiple antineoplastic agents?

- A)The use of three agents decreases the development of cell resistance.
- B)The use of three agents increases adherence to treatment.
- C)The use of three agents increases the serum levels of one of the agents.
- D)The use of three agents decreases the total adverse effects.

Answer: <https://biology-forums.com/index.php?topic=1908135>

Question 79

A nurse is teaching a cardiac patient about the ability of the heart to generate an electrical impulse. Which of the following teaching points should the nurse convey to the patient?

- A)There are many different parts of your heart that can initiate an electrical impulse.
- B)Electrical signals travel along the blood vessels that provide oxygen to your heart.
- C>Your heart depends on your brainstem to initiate electrical signals.
- D)The lining of your left ventricle is the site where electrical signals usually originate.

Answer: <https://biology-forums.com/index.php?topic=1908269>

Question 80

A patient with a persistent and debilitating cough is confused that his physician has prescribed codeine. He tells the nurse, I was sure that codeine was a narcotic that people take for pain. The nurse should cite what mechanism of action when describing this use of codeine?

- A)Depression of the cough center in the medulla oblongata
- B)Vasodilation of the alveolar capillaries
- C)Stimulation of the reticular activating system (RAS)
- D)Desensitization of the cough receptors in the sinuses and trachea

Answer: <https://biology-forums.com/index.php?topic=1908316>

Question 81

Which of the following assessments should be made before administering a new medication?

- A)Determine the patient's past medication history.
- B)Evaluate the patient's health beliefs.
- C)Instruct the patient on the effect of the medication.
- D)Teach the patient about the desired outcomes of drug therapy.

Answer: <https://biology-forums.com/index.php?topic=1908033>

Question 82

An adult patient with long-standing obesity has been deemed an appropriate candidate for treatment with phentermine. When teaching the patient to safely and effectively administer the drug, the nurse should convey what message to the patient?

- A)Take phentermine with food, preferably at mealtimes.
- B)Take the medication on an empty stomach.
- C)Take the medication 15 minutes after meals to reduce fat absorption.
- D)Take an increased dose of phentermine if a large meal is anticipated.

Answer: <https://biology-forums.com/index.php?topic=1908373>

Question 83

A group of nursing students are learning about the factors that underlie recent increases in the incidence and prevalence of antibiotic-resistant microorganisms. What factor is known to contribute to antibiotic resistance?

- A)Increased survival rates from acute infections
- B)Increased population density
- C)Use of antibiotics that are ineffective against the infectious microorganism
- D)Overuse of antibiotics

Answer: <https://biology-forums.com/index.php?topic=1908158>

Question 84

A child has been taking mebendazole for the past 3 weeks after being diagnosed with roundworm. The nurse will determine the efficacy of the child's treatment by referencing what diagnostic test?

- A)Liver enzymes
- B)Stool for ova and parasites
- C)Colonoscopy or sigmoidoscopy
- D)Rectal swab for culture

Answer: <https://biology-forums.com/index.php?topic=1908253>

Question 85

A patient with a long-standing history of asthma has failed to achieve adequate symptom control with first-line drugs. As a result, her care provider has prescribed theophylline. The nurse is aware of the narrow therapeutic range of this drug and has taught the patient to recognize the signs and symptoms of toxicity. These include which of the following?

- A) Polyuria and polyphagia
- B) Confusion and decreased level of consciousness
- C) Agitation and dysrhythmias
- D) Chest pain and shortness of breath

Answer: <https://biology-forums.com/index.php?topic=1908341>

Question 86

A patient with an autoimmune disorder has just been prescribed a synthetic drug. Which of the following characteristics is a noted advantage of synthetic drugs?

- A) Synthetic drugs are less likely to cause an allergic reaction than naturally occurring substances.
- B) Synthetic drugs typically require less frequent dosing than naturally occurring substances.
- C) Synthetic drugs are normally available on an over-the-counter basis.
- D) Synthetic drugs are available in a wider variety of administration routes than naturally occurring substances.

Answer: <https://biology-forums.com/index.php?topic=1908010>

Question 87

A young adult male who has had multiple sex partners in the preceding months has been diagnosed with hepatitis B virus (HBV) and begun treatment with lamivudine (Epivir). Shortly after beginning treatment, the man complains of a 24-hour history of intense abdominal pain. The nurse should recognize the possibility of what adverse effect of lamivudine therapy?

- A) Gastroenteritis
- B) Gastroesophageal reflux disease
- C) Bowel obstruction
- D) Pancreatitis

Answer: <https://biology-forums.com/index.php?topic=1908238>

Question 88

A 24-year-old man is planning a trip to Southeast Asia and has obtained a prescription for chloroquine for malaria prophylaxis. While taking this drug, the nurse should likely encourage the patient to avoid

- A) soy products.
- B) unpeeled vegetables.
- C) high-fat food.
- D) alcohol.

Answer: <https://biology-forums.com/index.php?topic=1908251>

Question 89

A patient is diagnosed with allergic rhinitis. What type of hypersensitivity reaction is causing allergic rhinitis?

- A) Type I
- B) Type II
- C) Type III
- D) Type IV

Answer: <https://biology-forums.com/index.php?topic=1908323>

Question 90

An adult male patient with a diagnosis of osteomyelitis will soon begin treatment with gentamicin. Which of the following schedules is most likely to maximize efficacy and minimize nephrotoxicity?

- A) Gentamicin 500 mg IV OD at 12:00
- B) Gentamicin 250 mg PO BID at 07:30 and 19:30
- C) Gentamicin 500 mg PO TID at 08:00, 12:00, and 17:00
- D) Gentamicin 125 mg IV QID at 06:00, 12:00, 18:00, and 24:00

Answer: <https://biology-forums.com/index.php?topic=1908197>

Question 91

A patient is admitted to the emergency room with a diagnosis of Legionnaires' disease and is placed on isolation. Which of the following medications is the drug of choice for Legionnaires' disease?

- A) Erythromycin (Ery-Tab)
- B) Loxapine hydrochloride (Loxitane)
- C) Meclizine (Antivert)
- D) Pravastatin (Pravachol)

Answer: <https://biology-forums.com/index.php?topic=1908210>

Question 92

An oncology nurse is reviewing the medication administration record of a patient being treated for advanced prostate cancer. In addition to two chemotherapeutic agents, the nurse reads that the patient has been ordered a cytoprotective agent. The goal of this agent is to

- A) buffer the cytotoxins that result from the metabolism of chemotherapeutic agents.
- B) protect the patient from pathophysiological effects of his malignancy.
- C) potentiate the beneficial effects of chemotherapy.
- D) reduce the incidence or severity of adverse drug effects.

Answer: <https://biology-forums.com/index.php?topic=1908150>

Question 93

An obese patient who has an elevated triglyceride level and reduced high-density lipoprotein cholesterol is seen by her primary care physician. What do these data suggest in this patient?

- A) The development of arthritic syndrome
- B) The development of metabolic syndrome
- C) The development of Reye's syndrome
- D) The development of Tay-Sachs disease

Answer: <https://biology-forums.com/index.php?topic=1908094>

Question 94

A patient has an increased serum potassium level and has developed a cardiac arrhythmia. How do insulin and glucose assist in decreasing the serum potassium level?

- A) Insulin and glucose drive potassium into the cells.
- B) Insulin and glucose bind potassium to sodium.
- C) Insulin and glucose increase urinary excretion of potassium.
- D) Insulin and glucose increase fecal excretion of potassium.

Answer: <https://biology-forums.com/index.php?topic=1908357>

Question 95

A patient states that she takes acetaminophen (Tylenol) four to five times daily when she is at home. Which of the following laboratory tests is a relevant response to this practice?

- A) Cardiac enzymes
- B) Peak and trough
- C) Liver enzymes
- D) White blood cell count

Answer: <https://biology-forums.com/index.php?topic=1908034>

Question 96

A patient is being treated with amphotericin B for a fungal infection of the urinary tract. What is the action of amphotericin B?

- A) It binds to ergosterol and forms holes in the membrane.
- B) It binds to an enzyme required for synthesis of ergosterol.
- C) It disrupts the fungal cell walls rather than the cell membrane.
- D) It inhibits glucan synthetase required for glucan synthesis.

Answer: <https://biology-forums.com/index.php?topic=1908246>

Question 97

The nurse's medication reconciliation performed on a patient who is newly admitted to the hospital reveals that he regularly takes infliximab (Remicade), a humanized IgG monoclonal antibody. The nurse is justified in suspecting that this patient may have a history of which of the following?

- A)Osteoporosis
- B)Crohn's disease
- C)Organ transplant
- D)Severe seasonal allergies

Answer: <https://biology-forums.com/index.php?topic=1908129>

Question 98

A critical care nurse is well aware that amiodarone (Cordarone) is normally reserved for use in patients with life-threatening dysrhythmias. In some cases, however, low-dose amiodarone may be used to prevent recurrence of

- A)atrial fibrillation.
- B)angina pectoris.
- C)ventricular hypertrophy.
- D)mitral valve regurgitation.

Answer: <https://biology-forums.com/index.php?topic=1908273>

Question 99

A patient is being administered a selective serotonin reuptake inhibitor to treat depression. Which of the following herbal supplements is contraindicated?

- A)St. John's wort
- B)Glucosamine
- C)Chondroitin
- D)Melatonin

Answer: <https://biology-forums.com/index.php?topic=1908040>

Question 100

A 79-year-old woman has recently moved to a long-term care facility, and the nurse at the facility is conducting a medication reconciliation. The nurse notes that the woman has recently been taking tamoxifen (Nolvadex). The nurse is justified in concluding that the woman has a history of what malignancy?

- A)Ovarian cancer
- B)Breast cancer
- C)Malignant melanoma
- D)Cervical cancer

Answer: <https://biology-forums.com/index.php?topic=1908149>

Question 101

A patient is undergoing a course of radiotherapy for the treatment of leukemia. Treatments in the past have caused the patient severe nausea and vomiting. The oncology nurse should normally administer antiemetics on what schedule?

- A)Simultaneous with radiation treatment
- B)The night before a scheduled radiation treatment
- C)30 to 60 minutes before the treatment
- D)10 to 15 minutes before the treatment

Answer: <https://biology-forums.com/index.php?topic=1908398>

Question 102

A gerontological nurse is aware that age is a salient variable that must be considered during pharmacotherapy in adults. However, the nurse knows that many other important variables must also be considered, including ethnicity. Members of which of the following ethnic groups typically require lower doses of many common medications?

- A)Native Americans
- B)Caucasian Americans
- C)Asian Americans
- D)African Americans

Answer: <https://biology-forums.com/index.php?topic=1908062>

Question 103

An 88-year-old woman has developed syncope (fainting) since an antihypertensive agent was added to her medication regime. The development of syncope may be related to which of the following physiologic processes?

- A)Interaction of other medications
- B)Ingestion of herbal supplements

- C) Diminished excretion of the medication
- D) Increased metabolism of the medication

Answer: <https://biology-forums.com/index.php?topic=1908042>

Question 104

A nurse has taught an adult patient about the fact that guaifenesin is not necessarily an effective way of liquefying secretions. To help liquefy the patient's secretions, the nurse should encourage which of the following measures?

- A) Reducing salt intake
- B) Deep breathing and exercises
- C) Gargling with normal saline
- D) Increasing fluid intake

Answer: <https://biology-forums.com/index.php?topic=1908317>

Question 105

An 80-year-old woman has sought care for a dermatological health problem that most often requires treatment with an oral corticosteroid. When considering whether to prescribe steroids to this patient, the care provider should prioritize which of the following questions?

- A) Should this patient receive a medication that was likely tested on younger adults?
- B) Do the potential benefits of this medication outweigh the potential harm?
- C) Are there plausible herbal or complementary alternatives to this medication?
- D) Is there a younger adult who can oversee this patient's medication regimen?

Answer: <https://biology-forums.com/index.php?topic=1908051>

Question 106

A couple have been trying unsuccessfully for nearly a year to become pregnant and have now sought fertility counseling. The nurse should be aware of what potential etiological factors related to infertility? Select all that apply.

- A) Absence of sperm
- B) Endometriosis
- C) Vaginitis
- D) Blocked fallopian tubes
- E) Fibromyalgia

Answer: <https://biology-forums.com/index.php?topic=1908085>

Question 107

An older adult patient whose medical history includes angina is gardening outside his home when he experiences a sudden onset of chest pain. This patient would most likely administer a dose of nitroglycerin by what route?

- A) Subcutaneous injection
- B) Oral sustained-release tablet
- C) Nebulized inhalation
- D) Transmucosal spray

Answer: <https://biology-forums.com/index.php?topic=1908286>

Question 108

A 55-year-old male patient has been living with type 1 diabetes for many years and has begun to experience diabetic nephropathy over the past year. How will this patient's current health status influence the possible use of pseudoephedrine in the treatment of cold symptoms?

- A) The patient should monitor his blood glucose levels more frequently when taking pseudoephedrine.
- B) The use of pseudoephedrine is absolutely contraindicated by the fact that the patient has diabetes and takes insulin.
- C) The patient may require a higher-than-average dose of pseudoephedrine because of excess fluid volume secondary to renal failure.
- D) The patient should use caution and will likely require a lower dose of pseudoephedrine because of his impaired renal function.

Answer: <https://biology-forums.com/index.php?topic=1908315>

Question 109

A patient is allergic to penicillin and has been diagnosed with a genitourinary infection caused by *Chlamydia trachomatis*. Which of the following medications will most likely be administered?

- A) Acamprosate calcium (Campral)
- B) Atazanavir (Reyataz)
- C) Erythromycin (Ery-Tab)
- D) Flumazenil (Mazicon)

Answer: <https://biology-forums.com/index.php?topic=1908211>

Question 110

A nurse begins a patient interaction by systematically gathering information on the patient's care and eventually evaluating the outcomes of care. Which of the following represents this continuum of care?

- A) Assessment process
- B) Outcomes analysis
- C) Nursing interventions
- D) Nursing process

Answer: <https://biology-forums.com/index.php?topic=1908032>

Question 111

A patient is prescribed ranolazine (Ranexa) to treat chronic angina. Which of the following electrocardiogram changes will contraindicate the use of ranolazine?

- A) Normal ST segment
- B) Inverted P wave
- C) Shortened QRS
- D) QT prolongation

Answer: <https://biology-forums.com/index.php?topic=1908281>

Question 112

An infant who is 3 weeks old was born at full gestation but was just brought to the emergency department with signs and symptoms of failure to thrive. This pediatric patient will be classified into what pediatric age group?

- A) Full-term baby
- B) Young infant
- C) Neonate
- D) Early postnatal

Answer: <https://biology-forums.com/index.php?topic=1908046>

Question 113

A patient has Maalox ordered for administration as needed. Which of the following conditions contraindicates the administration of Maalox?

- A) Hypertension
- B) Heart rate of 68
- C) Renal dysfunction
- D) Stress ulcer

Answer: <https://biology-forums.com/index.php?topic=1908379>

Question 114

A patient who is malnourished and has hypertension is being treated with losartan (Cozaar). How should the dose of the medication be adjusted in this patient?

- A) The dose should be higher than normal.
- B) The dose should be lower than normal.
- C) The dose should remain the same as normal.
- D) The medication should be combined with a diuretic.

Answer: <https://biology-forums.com/index.php?topic=1908301>

Question 115

An adult male patient is postoperative day 2 following a kidney transplant, and his regimen of antirejection drugs began just prior to surgery. What nursing action should be integrated into this patient's plan of care?

- A) Place the patient in a single, positive-pressure room.
- B) Arrange for the patient to receive a raw-food, organic diet.
- C) Wash the patient's skin with chlorhexidine twice daily.
- D) Have the patient wear a gown and gloves when outside his room.

Answer: <https://biology-forums.com/index.php?topic=1908130>

Question 116

A patient states that he is seeing halos around lights. The patient takes digoxin (Lanoxin) by mouth every day. The physician orders the patient to have serum digoxin level drawn. At what digoxin level would the care team first suspect that the patient is experiencing toxicity?

- A)0.5 ng/mL
- B)1.5 ng/mL
- C)3.0 ng/mL
- D)6.0 ng/mL

Answer: <https://biology-forums.com/index.php?topic=1908258>

Question 117

A nurse is preparing to simultaneously administer two drugs to a patient. The nurse knows that the drugs have been ordered to be given together because of their synergistic effect. This means that

- A)the adverse effects of one of the drugs are nullified by the other drug.
- B)the combined effects are greater than the effects of either one of the drugs alone.
- C)one of the drugs enhances metabolism, while the other drug enhances either distribution or absorption.
- D)both drugs are toxic in isolation but therapeutic when administered together.

Answer: <https://biology-forums.com/index.php?topic=1908018>

Question 118

A nurse has informed the laboratory technician that a patient's gentamicin has finished infusing and the technician will soon draw a blood sample to determine the patient's serum drug concentration. Why is assessment of gentamicin levels necessary?

- A)To identify possible changes in the patient's serum osmolality
- B)To identify whether the drug is at a therapeutic level
- C)To identify whether the drug is causing hepatotoxicity
- D)To identify possible hemolysis following administration

Answer: <https://biology-forums.com/index.php?topic=1908196>

Question 119

After obtaining several elevated blood pressure readings from the automated sphygmomanometer in his local drugstore, a 51-year-old man sought care from his primary care provider. The patient has been diagnosed with hypertension following several elevated blood pressure readings. The nurse at the clinic should recognize which of the following drug regimens as being most likely?

- A)Monotherapy with a loop diuretic
- B)Monotherapy with an ACE inhibitor
- C)A beta-blocker combined with a calcium channel blocker
- D)A thiazide diuretic combined with a beta-blocker

Answer: <https://biology-forums.com/index.php?topic=1908305>

Question 120

A nurse has poured a hospital patient's scheduled dose of hydrochlorothiazide (HCTZ). The nurse should know that this drug reduces preload by which of the following means?

- A)Exerting a direct relaxant effect on the vascular smooth muscle
- B)Increasing renal excretion of sodium and water
- C)Increasing the contractility of myocardial fibers
- D)Stimulating the SA node to fire more frequently

Answer: <https://biology-forums.com/index.php?topic=1908267>

Question 121

A patient with alcoholism has been admitted to the hospital following an injury. Assessment of the patient's overall health reveals significant nutritional deficits. The patient is likely to require which of the following due to inadequate dietary intake?

- A)Sodium
- B)Vitamin A
- C)Vitamin K
- D)Thiamine

Answer: <https://biology-forums.com/index.php?topic=1908362>

Question 122

A nursing student in a pharmacology class should be encouraged to study the medications according to which categorization?

- A)Prototype
- B)Controlled substance
- C)Drug use
- D)Generic names

Answer: <https://biology-forums.com/index.php?topic=1908008>

Question 123

A patient who is taking metronidazole for the past 4 days for the treatment of a parasitic infection reports to the nurse that his most recent dose made him flushed, sweaty, and sick in the stomach. What assessment is most likely to address the cause of this phenomenon?

- A) Do you know if you've ever had an allergic reaction to penicillin?
- B) Did you drink any alcoholic beverages around the time of taking the drug?
- C) Did you take this dose on an empty stomach?
- D) Are you taking any over-the-counter antihistamines?

Answer: <https://biology-forums.com/index.php?topic=1908255>

Question 124

A patient is diagnosed with pneumonia and has been placed on antibiotics to treat the infection. Which of the following nursing actions will assist in increasing lung capacity?

- A) Promoting hand hygiene
- B) Increasing rest
- C) Frequent repositioning
- D) Promoting deep breathing

Answer: <https://biology-forums.com/index.php?topic=1908036>

Question 125

A hospital patient has been prescribed ciprofloxacin IV for the treatment of cellulitis. After initiating the infusion of the patient's first scheduled dose, the patient develops a pronounced rash to her chest and arms. How should the nurse respond to this event?

- A) Discontinue the infusion and inform the care provider promptly
- B) Slow down the rate so that the infusion takes place over 2 hours
- C) Administer oral diphenhydramine to the patient during the infusion
- D) Administer a STAT dose of acetylcysteine

Answer: <https://biology-forums.com/index.php?topic=1908203>

Question 126

A patient has been prescribed digoxin (Lanoxin) and furosemide (Lasix) for treatment of congestive heart failure. What is the patient at risk for developing with this combination of medications?

- A) Hyperkalemia
- B) Hyperglycemia
- C) Tachycardia
- D) Digoxin toxicity

Answer: <https://biology-forums.com/index.php?topic=1908346>

Question 127

A 69-year-old woman has been diagnosed with angina pectoris, and her primary care provider has prescribed nifedipine (Adalat, Procardia). After administering a dose of the drug at 08:00, the nurse should anticipate maximum effect at what time?

- A) Between 08:30 and 09:00
- B) 09:00 to 10:00
- C) Between 12:00 and 14:00
- D) 11:30 to 12:30

Answer: <https://biology-forums.com/index.php?topic=1908285>

Question 128

Mrs. James has been taking a diuretic and a beta-blocker for the treatment of hypertension for the past several months. During her latest clinic visit, she states that she has been measuring her blood pressure regularly at her local drug store and she claims that it is usually in the range of 130/80 mm Hg. As a result, she states that she has cut down on her doses of both drugs. Mrs. James' actions should indicate what nursing diagnosis to the nurse?

- A) Risk for poisoning related to unilateral changes to medication regimen
- B) Acute confusion related to the necessity for medication adherence
- C) Readiness for enhanced decision making related to management of drug therapy
- D) Deficient knowledge related to self-management of drug regimen

Answer: <https://biology-forums.com/index.php?topic=1908065>

Question 129

A 1-year-old child will receive her scheduled MMR vaccination shortly. The nurse should teach the child's parents that she may develop what possible adverse effect related to the administration of this medication?

- A) Cough and fever
- B) Pallor and listlessness
- C) Serum sickness
- D) Nausea and vomiting

Answer: <https://biology-forums.com/index.php?topic=1908117>

Question 130

A young woman is seen in the physician's office and wants to ensure that she is vaccinated against hepatitis. Vaccines are available for which of the following types of hepatitis? Select all that apply.

- A) Hepatitis A virus
- B) Hepatitis B virus
- C) Hepatitis C virus
- D) Hepatitis D virus
- E) Hepatitis G virus

Answer: <https://biology-forums.com/index.php?topic=1908235>

Question 131

A pediatric nurse is well aware of the many physiological variables that influence safe pharmacotherapy in patients younger than 18. Which of the following principles should the nurse integrate into care?

- A) The physiology of patients older than 15 can be considered to be the same as an adult patient.
- B) The younger the patient, the greater the variation in medication action compared to an adult.
- C) The larger the patient's body mass index, the more his or her physiology varies from that of an adult.
- D) Pediatric patients have a greater potential to benefit from pharmacotherapy than adult patients.

Answer: <https://biology-forums.com/index.php?topic=1908045>

Question 132

A patient is receiving furosemide (Lasix) and a potassium supplement. When monitoring daily laboratory values, what should the potassium level be for this patient?

- A) 1.5 to 3.0 mEq/L
- B) 3.5 to 5.0 mEq/L
- C) 5.0 to 7.5 mEq/L
- D) 6.0 to 6.5 mEq/L

Answer: <https://biology-forums.com/index.php?topic=1908347>

Question 133

A patient is using oxymetazoline (Afrin) to relieve nasal congestion. Which of the following conditions would contraindicate the use of this drug?

- A) Nasal congestion
- B) Cough
- C) Hypertension
- D) Skin rash

Answer: <https://biology-forums.com/index.php?topic=1908310>

Question 134

A nurse has noted that an older adult patient on an acute care for elders (ACE) unit has an exceptionally lengthy medication administration record. The nurse has alerted the pharmacist because one of the patient's long-standing medications appears on the Beers list. What medication is the nurse likely addressing?

- A) Low-dose enteric-coated ASA
- B) Metoprolol (Lopressor)
- C) Digoxin (Lanoxin)
- D) Vitamin D

Answer: <https://biology-forums.com/index.php?topic=1908054>

Question 135

A medical nurse is aware of the need to assess for potential ototoxicity in patients who are being treated with gentamicin. Which of the following patients is likely most susceptible to developing ototoxicity secondary to gentamicin?

- A) A man who received his first dose of IV gentamicin 12 hours ago
- B) A man who has required repeated courses of gentamicin over the past several months
- C) A woman who has a Pseudomonas infection but who has a hypersensitivity to penicillins
- D) A woman who is immunocompromised and who is being treated with gentamicin

Answer: <https://biology-forums.com/index.php?topic=1908198>

Question 136

A patient is administered diltiazem (Cardizem) IV, which is followed by propranolol (Inderal) IV. The nurse should assess for what potential effect of this medication combination?

- A) Hypertensive crisis
- B) Anaphylaxis
- C) Valve regurgitation
- D) Impaired contractility

Answer: <https://biology-forums.com/index.php?topic=1908276>

Question 137

A pregnant woman asks why she needs to take a folic acid supplement. What is the nurse's best explanation for the administration of folic acid?

- A) Folic acid prevents the development of contractions.
- B) Folic acid prevents neural tube birth defects.
- C) Folic acid builds strong fetal bones.
- D) Folic acid will decrease nausea and vomiting.

Answer: <https://biology-forums.com/index.php?topic=1908068>

Question 138

Ivermectin (Stromectol) appears on a list of a patient's recent medications. The nurse who is reviewing the medications is justified in suspecting that the patient may have been receiving treatment for a parasitic infection with

- A) Entamoeba histolytica.
- B) Giardia lamblia.
- C) Strongyloides stercoralis.
- D) Plasmodium falciparum.

Answer: <https://biology-forums.com/index.php?topic=1908250>

Question 139

Antihistamines are used to treat nasal congestion. Which of the following patients should not be administered an antihistamine?

- A) A male patient with Parkinson's disease
- B) A female patient with asthma
- C) A male patient with diabetes mellitus
- D) A male patient with prostatic hypertrophy

Answer: <https://biology-forums.com/index.php?topic=1908326>

Question 140

An 85-year-old patient is administered dimenhydrinate (Dramamine). Which of the following is the priority nursing intervention?

- A) Encourage fluids with this patient.
- B) Have the patient void after administration.
- C) Maintain IV access.
- D) Protect from injury.

Answer: <https://biology-forums.com/index.php?topic=1908394>

Question 141

A patient has been diagnosed with chronic renal failure. Which of the following agents will assist in raising the patient's hemoglobin levels?

- A) Epoetin alfa (Epoen, Procrit)
- B) Pentoxifylline (Pentoxil)
- C) Estazolam (ProSom)
- D) Dextromethorphan hydrobromide

Answer: <https://biology-forums.com/index.php?topic=1908097>

Question 142

A clinical nurse educator on a nephrology and dialysis unit is reviewing renal physiology with a nursing student who is completing a preceptorship on the unit. The student should be aware that a majority of reabsorption takes place in what anatomical location?

- A) Ureters
- B) Proximal tubule
- C) Efferent arteriole
- D) Afferent arteriole

Answer: <https://biology-forums.com/index.php?topic=1908349>

Question 143

An older adult patient has a complex medical history that includes heart failure, type 1 diabetes, and diabetic nephropathy. The nurse has questioned a care provider's order for oral spironolactone because the patient's health problems would contribute to a high risk of

- A) metabolic acidosis.
- B) hypocalcemia.
- C) hemolytic anemia.
- D) hyperkalemia.

Answer: <https://biology-forums.com/index.php?topic=1908352>

Question 144

A nurse has administered a scheduled dose of 50-mg atenolol PO for the treatment of angina. Following administration, the nurse should prioritize what assessment?

- A) Level of consciousness
- B) Blood pressure
- C) SaO₂
- D) Oral temperature

Answer: <https://biology-forums.com/index.php?topic=1908288>

Question 145

A patient is administered a stimulant cathartic. Which of the following is the most common adverse effect of a stimulant cathartic?

- A) Nausea
- B) Vomiting
- C) Diarrhea
- D) Rectal bleeding

Answer: <https://biology-forums.com/index.php?topic=1908403>

Question 146

Which of the following patients would likely be the most appropriate candidate for treatment with filgrastim (Neupogen)?

- A) A patient who has undergone a mastectomy for the treatment of breast cancer
- B) A patient with acquired immune deficiency syndrome (AIDS) who has been diagnosed with Kaposi's sarcoma
- C) A patient who developed acute renal failure secondary to rhabdomyolysis
- D) A patient whose acute myelogenous leukemia necessitated a bone marrow transplant

Answer: <https://biology-forums.com/index.php?topic=1908105>

Question 147

A patient is administered furosemide (Lasix) 20 mg PO every morning. What effect will a diet high in sodium have on the patient?

- A) Decreased blood pressure
- B) Decreased diuresis
- C) Hyperkalemia
- D) Hyperglycemia

Answer: <https://biology-forums.com/index.php?topic=1908344>

Question 148

A patient with a long-standing history of seasonal allergies has sought care during the spring and been advised to take a second-generation antihistamine. Which of the patient's following statements suggests a need for the nurse to perform health education?

- A) I know these can be a bit expensive, but hopefully it will be worth it for me.
- B) I'm really hoping that these pills will cure my allergies before summer starts.

- C)I'll check with my doctor to make sure that the diet supplements I'm taking are okay to take at the same time as these pills.
D)It's handy that I don't necessarily have to take these pills at bedtime.

Answer: <https://biology-forums.com/index.php?topic=1908331>

Question 149

A 50-year-old man has undergone a bunionectomy and has been admitted to the postsurgical unit. What aspect of the man's medical history would contraindicate the use of heparin for DVT prophylaxis?

- A)The man is morbidly obese.
B)The man has a diagnosis of ulcerative colitis.
C)The man had a myocardial infarction 18 months ago.
D)The man has a diagnosis of type 2 diabetes mellitus.

Answer: <https://biology-forums.com/index.php?topic=1908093>

Question 150

A patient's antiretroviral therapy has not been as efficacious as her care team had predicted, and maraviroc (Selzentry) has consequently been added to her drug regimen. The nurse should recognize this drug as belonging to what category of antiretroviral?

- A)Fusion protein inhibitors
B)Protease inhibitors
C)CCR5 antagonists
D)Integrase strand transfer inhibitors

Answer: <https://biology-forums.com/index.php?topic=1908243>

Question 151

Intravenous verapamil has been ordered STAT in the treatment of a patient with a supraventricular tachycardia. In order to ensure patient safety, the nurse should be aware that concurrent use of which of the following medications is absolutely contraindicated?

- A)Sodium bicarbonate
B)Propranolol
C)Diltiazem
D)Lidocaine

Answer: <https://biology-forums.com/index.php?topic=1908271>

Question 152

A patient has questioned why she cannot stop taking her prescribed corticosteroid as soon as she achieves relief of her symptoms. The nurse should explain the rationale for the patient's regimen based on which of the following?

- A)The serum half-life of many corticosteroids can exceed 3 months.
B)Corticosteroids are sequestered in hepatocytes and released over several weeks.
C)The HPA axis does not normally resume full function for several months.
D)Abrupt cessation of corticosteroid therapy can cause nephrotoxicity.

Answer: <https://biology-forums.com/index.php?topic=1908179>

Question 153

A patient is being treated with cyclophosphamide (Cytoxan). Which of the following laboratory values should the nurse follow most closely?

- A)D-dimer
B)Complete blood count
C)C-reactive protein level
D)Arterial blood gases

Answer: <https://biology-forums.com/index.php?topic=1908138>

Question 154

A 30-year-old woman with two preschoolers has sought the nurse's advice because she has heard conflicting reports about the safety and efficacy of cough and cold products in young children. The nurse should inform the woman that

- A)cough and cold remedies are generally safe and effective for children over the age of 2.
B)there are concerns among health professionals about how safe and effective these medications are.
C)media reports about the risks of cough and cold medications in children have greatly exaggerated the risks.
D)it is imperative to use age-specific preparations of cough and cold remedies.

Answer: <https://biology-forums.com/index.php?topic=1908314>

Question 155

An adult patient with diagnoses of liver cirrhosis and hepatitis C is exhibiting signs and symptoms of hypovolemic shock. How will the patient's compromised hepatic function affect the possible use of epinephrine?

- A) The patient will require a higher-than-normal dose.
- B) The patient's hepatic function is not a priority consideration.
- C) The patient should not receive epinephrine by a parenteral route.
- D) The patient should receive a small fraction of the normal dose.

Answer: <https://biology-forums.com/index.php?topic=1908298>

Question 156

A patient is being treated on the oncology unit and has developed worsening adverse effects over the past several days of chemotherapy. Administration of filgrastim (Neupogen) may aid in achieving what desired outcome?

- A) Resolution of mucositis
- B) Increased leukocytes
- C) Increased platelet levels
- D) Prevention of hemorrhagic cystitis

Answer: <https://biology-forums.com/index.php?topic=1908147>

Question 157

Which of the following miscellaneous antibacterial drugs is administered topically in the treatment of acne?

- A) Chloramphenicol (Chloromycetin)
- B) Clindamycin (Cleocin)
- C) Daptomycin (Cubicin)
- D) Tigecycline (Tygacil)

Answer: <https://biology-forums.com/index.php?topic=1908214>

Question 158

A patient has an elevated BUN and creatinine. The patient has been prescribed digoxin (Lanoxin) for heart failure. What aspect of care is the priority regarding this patient?

- A) The patient should be taught to increase sodium in her diet.
- B) The dose should be increased when her heart rate is below 60.
- C) The dose should be decreased in this patient.
- D) The dosage should be 1.0 mg PO daily.

Answer: <https://biology-forums.com/index.php?topic=1908259>

Question 159

A patient who is undergoing chemotherapy for the treatment of non-Hodgkin's lymphoma will soon begin treatment with epoetin alfa (Epogen). The nurse should be aware that this drug may be administered by which of the following routes? Select all that apply.

- A) Subcutaneous
- B) Intramuscular
- C) Oral
- D) Buccal
- E) Intravenous

Answer: <https://biology-forums.com/index.php?topic=1908108>

Question 160

A 55-year-old man has been diagnosed with coronary artery disease and begun antiplatelet therapy. The man has asked the nurse why he is not taking a blood thinner like warfarin. What is the most likely rationale for the clinician's use of an antiplatelet agent rather than an anticoagulant?

- A) Antiplatelet agents do not require the man to undergo frequent blood work; anticoagulants require constant blood work to ensure safety.
- B) Antiplatelet agents are more effective against arterial thrombosis; anticoagulants are more effective against venous thrombosis.
- C) Antiplatelet agents are most effective in large vessels; anticoagulants are most effective in the small vessels of the peripheral circulation.
- D) Antiplatelet agents have fewer adverse effects than anticoagulants.

Answer: <https://biology-forums.com/index.php?topic=1908090>

Question 161

A patient is administered promethazine. The patient has an elevated creatinine level. Which of the following is important when administering

promethazine to this patient?
A)Administer the routine dose.
B)Administer a lower dose.
C)Administer a higher dose.
D)Hold the medication.

Answer: <https://biology-forums.com/index.php?topic=1908395>

Question 162

You have received an order for a medication to be administered buccally. Where is the medication administered?
A)Eye
B)Vagina
C)Cheek
D)Nose

Answer: <https://biology-forums.com/index.php?topic=1908028>

Question 163

A patient is prescribed a potassium-sparing diuretic. What electrolyte imbalance would the patient be prone to develop?
A)Hypernatremia
B)Hyponatremia
C)Hypokalemia
D)Hyperkalemia

Answer: <https://biology-forums.com/index.php?topic=1908303>

Question 164

When teaching new parents about the benefits of adhering to the recommended vaccination schedule, the nurse should cite protection against which of the following diseases? Select all that apply.
A)HIV
B)Measles
C)Varicella
D)Poliomyelitis
E)Hepatitis B

Answer: <https://biology-forums.com/index.php?topic=1908120>

Question 165

A 12-year-old boy was bitten by a dog, and inflammation took place at the site of the injury. During the process of opsonization, what physiological event occurred?
A)The boy's blood vessels dilated, allowing rapid peripheral blood flow.
B)Viscosity of the boy's blood decreased, facilitating the migration of neutrophils.
C)Antigens were coated, marking them for phagocytosis.
D)T cells were released from the boy's thymus gland.

Answer: <https://biology-forums.com/index.php?topic=1908154>

Question 166

A patient has presented to the emergency department after suffering a severe laceration to his hand in a workplace accident. During the subsequent process of acute inflammation, what physiological event took place first?
A)The patient's B cells produced antibodies.
B)The patient's blood vessels constricted.
C)Neutrophils migrated to the injury site.
D)Opsonization occurred.

Answer: <https://biology-forums.com/index.php?topic=1908153>

Question 167

A gerontological nurse is aware that increased aldosterone is a major factor in the pathophysiology of heart failure. Which of the following medications reduces aldosterone-induced retention of sodium and water?
A)Hydrochlorothiazide
B)Enalapril maleate
C)Spironolactone
D)Losartan potassium

Answer: <https://biology-forums.com/index.php?topic=1908268>

Question 168

A patient is administered epinephrine in conjunction with a local anesthetic. What effect will epinephrine produce?

- A) Decreased cerebral circulation
- B) Decreased coronary circulation
- C) Increased vasoconstrictive effects
- D) Increased bronchoconstriction

Answer: <https://biology-forums.com/index.php?topic=1908290>

Question 169

An elderly patient has begun taking bisoprolol (Zebeta) 10 mg PO once daily for the treatment of angina. The nurse should administer this drug in the knowledge that it achieves a therapeutic effect in what way?

- A) Decreasing heart rate
- B) Increasing the force of myocardial contractions
- C) Prolonging the QT interval
- D) Shortening the time required for repolarization

Answer: <https://biology-forums.com/index.php?topic=1908284>

Question 170

An oncology nurse is providing for an adult patient who is currently immunocompromised. The nurse is aware of the physiology involved in hematopoiesis and immune function, including the salient role of cytokines. What is the primary role of cytokines in maintaining homeostasis?

- A) Cytokines perform phagocytosis in response to bacterial and protozoal infection.
- B) Cytokines perform a regulatory role in the development of diverse blood cells.
- C) Cytokines can be considered to be the basic building blocks of all blood cells.
- D) Cytokines are formed in response to the presence of antibodies.

Answer: <https://biology-forums.com/index.php?topic=1908101>

Question 171

A patient with coronary artery disease is prescribed nitroglycerin ointment. When teaching the patient to safely administer this medication, the nurse should convey which of the following instructions?

- A) The backs of your hands and the tops of your feet are ideal sites for applying the ointment.
- B) Make sure you squeeze the ointment on to a paper measuring scale before applying it.
- C) Massage the ointment into your skin for 10 to 15 seconds after applying it.
- D) Don't apply the ointment unless you're experiencing chest pain at the time.

Answer: <https://biology-forums.com/index.php?topic=1908287>

Question 172

A gerontological nurse is aware that older adults' abilities to excrete medications diminish with age. When appraising an older adult's ability to excrete medications, what laboratory or diagnostic finding should the nurse prioritize?

- A) Renal ultrasound
- B) Complete blood count (CBC)
- C) Serum bilirubin and albumin levels
- D) Blood urea nitrogen and creatinine levels

Answer: <https://biology-forums.com/index.php?topic=1908056>

Question 173

A patient with a diagnosis of breast cancer is administered a corticosteroid in addition to chemotherapy agents. What effect will the corticosteroids have on this patient's course of recovery?

- A) The corticosteroid will decrease signs and symptoms of cancer.
- B) The corticosteroid will alter the action of the chemotherapy agent.
- C) The corticosteroid will decrease metastasis to distant sites.
- D) The corticosteroid will decrease hepatic effects of the chemotherapy.

Answer: <https://biology-forums.com/index.php?topic=1908175>

Question 174

An elderly patient has taken ibuprofen (Motrin) 800 mg two times per day for the past 3 years. Which of the following laboratory tests is the priority

assessment?

- A)Renin and aldosterone levels
- B)24-hour urine for microalbumin
- C)Blood urea nitrogen and serum creatinine
- D)Complete blood count

Answer: <https://biology-forums.com/index.php?topic=1908165>

Question 175

When administering the fusion protein inhibitor enfuvirtide (Fuzeon) to a patient with HIV, the nurse should

- A)have the patient gargle with normal saline immediately after taking the drug.
- B)flush the patient's central venous catheter with 100 Unit/mL heparin prior to administration.
- C)inject the drug into the patient's ventrogluteal site using the z-track method.
- D)regularly rotate the subcutaneous injection sites that are used.

Answer: <https://biology-forums.com/index.php?topic=1908242>

Question 176

A 22-year-old college student is allergic to penicillin. Consequently, her current chlamydial infection is being treated with oral erythromycin. What assessment should the nurse prioritize during this patient's course of treatment?

- A)Assessment of the patient's apical heart rate
- B)Assessment of the patient's hearing
- C)Assessment of the patient's peripheral pulses
- D)Assessment of the patient's renal function

Answer: <https://biology-forums.com/index.php?topic=1908220>

Question 177

A 69-year-old female responded well to inpatient treatment with a third-generation cephalosporin. After being largely symptom free for 48 hours, the woman has developed a fever of 38.6C and an elevated white cell count. What phenomenon may account for this patient's current clinical presentation?

- A)The patient may be infected with microorganisms that were resistant to the cephalosporin.
- B)The patient may be experiencing a delayed (type IV) hypersensitivity reaction to the cephalosporin.
- C)The patient may be developing glomerulonephritis secondary to the nephrotoxic cephalosporin.
- D)The cephalosporin may have initially caused leukopenia and made the patient susceptible to secondary infection.

Answer: <https://biology-forums.com/index.php?topic=1908192>

Question 178

An infant's current weight indicates that the maximum safe dose of Tylenol is 30 mg by mouth. The physician orders 65 mg to be given, and the nurse administers Tylenol 65 mg. Who is legally responsible in the event that the infant has a toxic reaction to the medication?

- A)The nurse
- B)The pharmacist
- C)The physician
- D)The pharmacy technician

Answer: <https://biology-forums.com/index.php?topic=1908025>

Question 179

A college student has a TB test prior to starting the semester. The tuberculin test site is noted with a reddened, raised area. What condition will the student be diagnosed with if the chest radiograph is negative?

- A)Transmission
- B)Primary infection
- C)Latent tuberculosis
- D)Active tuberculosis

Answer: <https://biology-forums.com/index.php?topic=1908227>

Question 180

A patient's chemotherapy regimen has been deemed successful, but the patient is experiencing debilitating nausea and vomiting. These adverse effects should signal the nurse to the possibility of what nursing diagnosis?

- A)Acute pain
- B)Adult failure to thrive
- C)Ineffective therapeutic regimen management

D)Imbalanced nutrition: less than body requirements

Answer: <https://biology-forums.com/index.php?topic=1908151>

Question 181

A patient has been resuscitated using epinephrine following an episode of asystole and is now being monitored in the intensive care unit (ICU). When monitoring the patient's status, the nurse should anticipate which of the following effects of epinephrine administration? Select all that apply.

- A)Decreased urine output
- B)Hyperglycemia
- C)Increased serum potassium levels
- D)Hypercapnia
- E)Increased blood pressure

Answer: <https://biology-forums.com/index.php?topic=1908299>

Question 182

A patient with a history of angina has sustained a mild head injury in a motor vehicle accident. He has nitroglycerin tablets for chest pain and asks the nurse for one due to chest pain. What effect will the nitroglycerin have on the patient's current status?

- A)Nitroglycerin will raise the patient's blood pressure.
- B)Nitroglycerin will cause decreased cerebral edema.
- C)Nitroglycerin will increase intracranial pressure.
- D)Nitroglycerin will decrease blood glucose.

Answer: <https://biology-forums.com/index.php?topic=1908278>

Question 183

A patient is administered bevacizumab (Avastin) to treat tumor growth in a breast tumor. What is the action of a monoclonal antibody such as bevacizumab (Avastin)?

- A)It changes the RNA of the tumor cell to a normal form.
- B)It binds to the 30S ribosome.
- C)It prevents the activation of intracellular growth factors.
- D)It blocks the cell wall synthesis.

Answer: <https://biology-forums.com/index.php?topic=1908141>

Question 184

A nurse is reviewing a new patient's admission blood work, which indicates that the patient's glomerular filtration rate is 51 mL/min/1.73 m² (low). What implication does this have for the patient's subsequent pharmacotherapy?

- A)The patient may need lower-than-normal doses of some medications.
- B)The patient may require a fluid challenge prior to medication administration.
- C)The patient may need IV administration of a hypotonic solution to aid medication excretion.
- D)The patient may need to receive medications by topical and subcutaneous routes rather than parenteral.

Answer: <https://biology-forums.com/index.php?topic=1908063>

Question 185

A nurse is performing health education with a woman who has just learned that she is pregnant. The nurse has explained the concept of teratogenic drugs and emphasized the need to have her care provider assess any medications she should consider taking. The nurse should teach the woman that drug-induced teratogenicity is most likely to occur at what point in her pregnancy?

- A)During the second half of her third trimester
- B)In the 7 to 10 days after conception
- C)In the first trimester during organogenesis
- D)During 30 to 34 weeks of gestation

Answer: <https://biology-forums.com/index.php?topic=1908083>

Question 186

A patient has been prescribed chloramphenicol (Chloromycetin) for vancomycin-resistant enterococci. How is this medication eliminated from the body?

- A)Through the liver
- B)Exhaled through the lungs
- C)Excreted in the urine
- D)Excreted in the bile

Answer: <https://biology-forums.com/index.php?topic=1908213>

Question 187

An adult male patient with a long-standing dysrhythmia has been taking oral propranolol for the last several months, resulting in acceptable symptom control. What is a priority teaching point for the nurse to communicate to this patient?

- A)The need to measure his radial pulse for 1 minute prior to each dose of propranolol
- B)The importance of not stopping the medication abruptly
- C)The need to avoid taking over-the-counter antacids
- D)The need to limit his intake of high-potassium foods

Answer: <https://biology-forums.com/index.php?topic=1908272>

Question 188

A patient has a tumor of the spinal cord and is administered a corticosteroid. What statement by the patient demonstrates an accurate understanding of this treatment?

- A)This drug will cause my tumor to be more susceptible to treatment.
- B)This drug will decrease my chance of infection and meningitis.
- C)This drug won't cure my cancer, but it may help me feel much better.
- D)This drug will stop my cancer cells from growing further.

Answer: <https://biology-forums.com/index.php?topic=1908176>

Question 189

A patient is being administered magnesium sulfate for preterm labor. The patient's serum magnesium level is elevated at 11 mg/dL. With what sign or symptom will the patient likely present?

- A)Tachypnea
- B)Muscle rigidity
- C)Tachycardia
- D)Depressed deep tendon reflexes

Answer: <https://biology-forums.com/index.php?topic=1908072>

Question 190

A pediatric nurse practitioner is aware that there are many knowledge gaps that still exist in the evidence base that underlies pediatric pharmacology. Many of these knowledge gaps are rooted in

- A)a lack of scientific understanding of the anatomy and physiology of children and infants.
- B)the historical lack of pediatric participation in the drug testing process.
- C)the fact that research grants in pharmacology have traditionally specified adult participation.
- D)assumptions that there are no physiological differences between adults and children.

Answer: <https://biology-forums.com/index.php?topic=1908047>

Question 191

A patient has undergone an aggressive chemotherapeutic regimen to treat leukemia. The patient develops gastrointestinal upset, hypertension, and paresthesias. What syndrome is the patient developing?

- A)Frhlich's syndrome
- B)Epidermal nevus syndrome
- C)Irritable bowel syndrome
- D)Tumor lysis syndrome

Answer: <https://biology-forums.com/index.php?topic=1908136>

Question 192

An adult patient has been taking Titalac (Tums) on an increasingly frequent basis. When teaching this patient, the nurse should include suggestions for the prevention of which of the following adverse effects?

- A)Constipation
- B)Urinary frequency
- C)Fatty stools
- D)Nausea

Answer: <https://biology-forums.com/index.php?topic=1908382>

Question 193

A 3-year-old child is seen in the pediatric office for a dry, hacking cough. The mother is requesting a prescription for dextromethorphan. In providing

patient education, which of the following provides the most effective teaching regarding the use of dextromethorphan in children?

- A) Dextromethorphan suppresses cough in children.
- B) Dextromethorphan is ineffective in children.
- C) Dextromethorphan must be combined with codeine.
- D) Dextromethorphan raises blood pressure in children.

Answer: <https://biology-forums.com/index.php?topic=1908309>

Question 194

An adult patient has been diagnosed with bacterial sinusitis, and her care provider has prescribed oral erythromycin. The nurse has cautioned the patient against taking the drug together with antacids because this practice

- A) delays metabolism of the drug.
- B) can exacerbate nausea and reflux.
- C) causes a dangerous rise in gastric pH.
- D) decreases the absorption of the drug.

Answer: <https://biology-forums.com/index.php?topic=1908219>

Question 195

A school nurse is teaching the mother of a 7-year-old girl how to safely and effectively apply permethrin after her daughter was diagnosed with head lice. The nurse should teach the mother to do which of the following?

- A) Apply permethrin twice daily until the lice are eradicated.
- B) Avoid using shampoo for the duration of treatment.
- C) Apply the cream only to those locations where nits or lice are visible.
- D) Wear gloves when applying the permethrin cream.

Answer: <https://biology-forums.com/index.php?topic=1908249>

Question 196

A patient is admitted to the intensive care unit with an electrolyte imbalance. Which of the following imbalances will contraindicate the administration of digoxin (Lanoxin)?

- A) Hyperkalemia
- B) Hypokalemia
- C) Hypermagnesemia
- D) Hypocalcemia

Answer: <https://biology-forums.com/index.php?topic=1908261>

Question 197

A patient is prescribed acyclovir (Zovirax) for the treatment of genital herpes. What is the expected outcome of this medication?

- A) Decreased testosterone production
- B) Decreased libido
- C) Decreased viral shedding
- D) Decreased bacterial replication

Answer: <https://biology-forums.com/index.php?topic=1908231>

Question 198

A patient is diagnosed with a gram-negative infection and is prescribed an aminoglycoside. What is the action of an aminoglycoside?

- A) It blocks protein synthesis of the cell wall.
- B) It blocks DNA replication.
- C) It destroys the integrity of the cell wall structure.
- D) It increases white blood cell viability.

Answer: <https://biology-forums.com/index.php?topic=1908194>

Question 199

A middle-aged patient is frustrated by her increasingly frequent episodes of constipation. She tells the nurse that she is highly reluctant to take medications. What nonpharmacologic measure should the nurse recommend?

- A) Adoption of a low-fat diet
- B) Use of a fiber supplement
- C) Daily consumption of 6 to 8 L of fluids
- D) Use of a ginger or ginseng supplement

Answer: <https://biology-forums.com/index.php?topic=1908406>

Question 200

Epinephrine is being considered in the treatment of an adult hospital patient. In anticipation, the nurse has reviewed the patient's current medication regimen. The presence of a drug from which of the following drug categories would contraindicate the safe use of epinephrine?

- A) Potassium-wasting diuretics
- B) Sulfonamide antibiotics
- C) Selective serotonin reuptake inhibitors (SSRIs)
- D) Monoamine oxidase (MAO) inhibitors

Answer: <https://biology-forums.com/index.php?topic=1908297>

Question 201

A patient is administered Augmentin (amoxicillin and clavulanate potassium) to treat otitis media. How does a beta-lactamase inhibitor agent achieve a therapeutic effect?

- A) It extends the spectrum of antibacterial activity of penicillin.
- B) It extends the spectrum of the beta-lactamase inhibitor.
- C) It decreases the side effects of high-dose penicillin.
- D) It increases the absorption of the penicillin.

Answer: <https://biology-forums.com/index.php?topic=1908185>

Question 202

A patient is taking nonsteroidal anti-inflammatory agents for arthritis of the knees and hips. Which of the following diseases is a result of cellular destruction of the gastrointestinal tract from this medication?

- A) Esophageal cancer
- B) Bowel obstruction
- C) Liver cancer
- D) Peptic ulcer disease

Answer: <https://biology-forums.com/index.php?topic=1908378>

Question 203

A 72-year-old woman with a 60-pack-year history of cigarette smoking has developed chronic obstructive pulmonary disease (COPD) and has consequently been prescribed albuterol, a beta2-adrenergic agonist. When administering this medication, the nurse should be aware that

- A) the drug carries a higher potential for hepatotoxicity in this patient than in a younger patient.
- B) the drug may be less effective than in a younger patient due to decreased beta-receptor function.
- C) the patient will need to take a beta-adrenergic blocker concurrently to mitigate the likelihood of adverse effects.
- D) the patient will need to have serial complete blood counts (CBCs) drawn following the initiation of therapy.

Answer: <https://biology-forums.com/index.php?topic=1908058>

Question 204

A patient is experiencing anaphylaxis. Which of the following medications will most likely be administered?

- A) Epinephrine
- B) Norepinephrine
- C) Acetylcysteine (Mucomyst)
- D) Dantrolene sodium (Dantrium)

Answer: <https://biology-forums.com/index.php?topic=1908289>

Question 205

A patient is administered penicillin V orally for a strep throat. What is the mechanism of action of this medication?

- A) It inhibits protein synthesis.
- B) It lowers the pH of cellular contents.
- C) It causes mutations.
- D) It inhibits cell wall synthesis.

Answer: <https://biology-forums.com/index.php?topic=1908183>

Question 206

A patient is receiving epoetin alfa (Epogen) for anemia. Which of the following adjunctive therapies is imperative with epoetin alfa?

- A) Potassium supplements
- B) Sodium restriction

- C)Iron supplement
- D)Renal dialysis

Answer: <https://biology-forums.com/index.php?topic=1908099>

Question 207

When the nurse is educating a women's group on obesity and healthy eating, which of the following statements is most accurate?

- A)Consuming 3500 extra calories in a week will result in 1 pound of fat.
- B)Extra calories are converted to amino acids or protein.
- C)Food that contains large amounts of fat stimulates energy.
- D)Women will typically expend more energy than men because of muscle tissue.

Answer: <https://biology-forums.com/index.php?topic=1908365>

Question 208

A nurse is preparing to administer a patient's scheduled beta-adrenergic blocker. The nurse is aware that the patient is receiving this drug for the treatment of hypertension. The nurse has addressed which of the following rights of safe medication administration?

- A)Right indication
- B)Right diagnosis
- C)Right reason
- D)Right history

Answer: <https://biology-forums.com/index.php?topic=1908043>

Question 209

An elderly patient's compromised nutritional status has necessitated the use of a nutritional formula. When reviewing this patient's laboratory findings, the nurse should prioritize which of the following values?

- A)Erythrocyte sedimentation rate (ESR)
- B)Serum albumin
- C)GGT, AST, and ALT
- D)Blood urea nitrogen

Answer: <https://biology-forums.com/index.php?topic=1908355>

Question 210

A patient is ordered to receive cyclosporine intravenously, and the nurse has explained the need for frequent blood work. This blood work is required because cyclosporine

- A)decreases erythropoiesis.
- B)has a narrow therapeutic range.
- C)has been linked to spontaneous hemolysis.
- D)can precipitate a thyroid storm.

Answer: <https://biology-forums.com/index.php?topic=1908124>

Question 211

A female patient with obesity will soon begin treatment with orlistat. The nurse should teach the patient that

- A)there will be fat present in her stools.
- B)her appetite will decline over the next 48 hours.
- C)she will have to increase her fiber intake.
- D)she will need to temporarily eliminate fats from her diet.

Answer: <https://biology-forums.com/index.php?topic=1908374>

Question 212

A patient is instructed on the administration of inhaled corticosteroid agents to treat asthma. How do inhaled corticosteroid agents assist in the treatment of asthma?

- A)Inhaled corticosteroid agents will depress the central nervous system.
- B)Inhaled corticosteroid agents will reduce respiratory rate.
- C)Inhaled corticosteroid agents will reduce bronchodilation.
- D)Inhaled corticosteroid agents will reduce airway inflammation.

Answer: <https://biology-forums.com/index.php?topic=1908334>

Question 213

Extreme caution would be necessary with the use of gentamicin in which of the following patients?

- A) A patient who is morbidly obese and who has primary hypertension
- B) A patient who has chronic renal failure secondary to diabetes mellitus
- C) A patient who has bipolar disorder and who is on long-term lithium therapy
- D) A patient who has an atrioventricular block

Answer: <https://biology-forums.com/index.php?topic=1908200>

Question 214

The nurse makes an effort to provide high-quality care to patients by obtaining and analyzing the best available scientific research. This activity demonstrates an important component of which of the following?

- A) Evidence-based nursing
- B) Medical justification
- C) Nursing data synthesis
- D) Scientific nursing

Answer: <https://biology-forums.com/index.php?topic=1908038>

Question 215

A 4-month-old baby has been brought to the emergency department by her parents, and initial assessment is highly suggestive of bacterial meningitis. Consequently, the baby has been admitted, and empiric antibiotic therapy has been ordered. The nurse should understand what characteristic of this infant's current treatment plan?

- A) Success or failure of treatment will not be apparent for several weeks.
- B) The infant will receive aggressive treatment with a narrow-spectrum antibiotic.
- C) Culture and sensitivity results of the infant's cerebrospinal fluid are still pending.
- D) The infant is suspected of having an antibiotic-resistant infection.

Answer: <https://biology-forums.com/index.php?topic=1908159>

Question 216

A patient has been administered hydroxyzine for the treatment of nausea. Which of the following statements indicates that she has understood the teaching provided by the nurse?

- A) I will take repeated doses of this medication until my nausea resolves.
- B) I may experience drowsiness with this medication.
- C) I should eat before I take this medication.
- D) I will need to take potassium with this medication.

Answer: <https://biology-forums.com/index.php?topic=1908391>

Question 217

A patient is seen in the clinic after a bite from a tick. She has a rash over her arms and legs and arthritic pain in the joints. What is the drug of choice for Lyme's disease?

- A) Ibuprofen (Motrin)
- B) Tetracycline (Sumycin)
- C) Phenazopyridine (Pyridium)
- D) Nitrofurantoin (Macrochantin)

Answer: <https://biology-forums.com/index.php?topic=1908204>

Question 218

A patient has been discharged from the hospital after a kidney transplant. Which of the following nursing interventions is the first line of defense against the immunosuppressed patient developing an infection?

- A) Ensure visitors do not come to the home.
- B) Teach the patient to wear a mask consistently.
- C) Administer prophylactic antibiotics.
- D) Teach the patient the importance of personal hygiene.

Answer: <https://biology-forums.com/index.php?topic=1908122>

Question 219

A school nurse is meeting with a high school student who mentions that she is frustrated with her repeated outbreaks of cold sores. The student states that she tried an over-the-counter topical cream but that it failed to produce an appreciable improvement. The nurse should recognize that this student used what drug?

- A) Ganciclovir

- B)Valacyclovir (Valtrex)
- C)Famciclovir (Famvir)
- D)Docosanol (Abreva)

Answer: <https://biology-forums.com/index.php?topic=1908244>

Question 220

A 4-year-old boy is postoperative day one following surgery for trauma suffered in a motor vehicle accident. The boy is in pain, and the nurse is preparing to administer a dose of hydromorphone syrup as ordered. To administer this drug, the nurse should use

- A)a teaspoon.
- B)a transparent, 2-ounce medication cup.
- C)a parenteral syringe with the needle removed.
- D)an oral syringe.

Answer: <https://biology-forums.com/index.php?topic=1908050>

Question 221

An obese patient has been receiving extensive health education prior to beginning treatment with phentermine. The nurse has taught the patient about the varied factors that contribute to obesity. Which of these factors is addressed by the use of phentermine?

- A)Psychosocial factors
- B)Environmental factors
- C)Genetic factors
- D)Physiologic factors

Answer: <https://biology-forums.com/index.php?topic=1908370>

Question 222

A 69-year-old man has been prescribed a nitrate and a calcium channel blocker for the treatment of unstable angina. When performing health education to promote adherence to his medication regimen, the nurse should emphasize which of the following?

- A)The fact that the patient will likely need medications until he no longer experiences the signs of angina
- B)The fact that the patient should take his medications as ordered even if he feels well in the short term
- C)The fact that inconsistent medication use will likely cause the onset of hypertension
- D)The fact that he should gauge his day's dose based on how he feels that morning

Answer: <https://biology-forums.com/index.php?topic=1908064>

Question 223

A patient has been taking phentermine for the past month and a half. During the patient's most recent follow-up visit to the clinic, she tells the nurse, "The pills seemed to work wonders for me for the first few weeks, but now I feel like they don't really make much of a difference." The nurse should anticipate that the prescriber will take what action?

- A)Increasing the daily dosage of the drug by approximately 50%
- B)Ordering blood work to ascertain the serum level of phentermine
- C)Discontinuing the drug
- D)Changing the route and schedule of administration

Answer: <https://biology-forums.com/index.php?topic=1908372>

Question 224

A patient with a recent diagnosis of asthma is anxious because she experienced an asthma attack and was unable to relieve the symptoms despite taking several puffs of her prescribed salmeterol (Serevent). How should the nurse respond to the patient's concerns?

- A)Remember that your Serevent isn't effective when you take it at the time of an asthma attack.
- B)It's important to take your Serevent as soon as you feel the first sensation of an asthma attack.
- C)Unfortunately, Serevent can take up to 15 minutes to relieve your difficulty breathing.
- D)It's best to take repeated doses of Serevent, every 5 minutes, until your symptoms subside.

Answer: <https://biology-forums.com/index.php?topic=1908338>

Question 225

A transplant nurse is aware of the need to closely monitor a patient's serum levels of cyclosporine. In order to do this, the nurse should ensure that blood is drawn at what time?

- A)30 minutes before a scheduled dose
- B)Simultaneous to the administration of a dose
- C)2 hours after a dose
- D)At the halfway point between two scheduled doses

Answer: <https://biology-forums.com/index.php?topic=1908132>

Question 226

A pregnant woman suffers from morning sickness. Which of the following should be considered a first-line treatment?

- A) Vitamin B6
- B) Promethazine (Phenergan)
- C) Vitamin E
- D) Diphenhydramine (Benadryl)

Answer: <https://biology-forums.com/index.php?topic=1908389>

Question 227

A patient who has a diagnosis of peptic ulcer disease has begun taking sucralfate (Carafate). The nurse should caution the patient against the concurrent use of

- A) antacids.
- B) NSAIDs.
- C) acetaminophen.
- D) probiotics.

Answer: <https://biology-forums.com/index.php?topic=1908387>

Question 228

A patient with a diagnosis of chronic renal failure will soon begin a regimen of epoetin that will be administered by the patient at home. Which of the following statements indicates that the nurse's initial health education has been successful?

- A) I'll make sure to take my Epogen pill on a strict schedule and make sure I never miss a dose.
- B) I'm glad that Epogen can help to protect me from getting an infection.
- C) I'm excited that there's a medication that can help my kidneys work better.
- D) I'm not all that comfortable with giving myself an injection, but I'm sure I'll be able to learn.

Answer: <https://biology-forums.com/index.php?topic=1908104>

Question 229

A patient who is undergoing treatment for cytomegalovirus received his first dose of IV ganciclovir 3 days ago. When reviewing this patient's most recent blood work, what abnormality should the nurse most likely attribute to the use of this drug?

- A) Hemoglobin 17 g/dL (high normal)
- B) INR 3.8 (high)
- C) Platelet count 118,000/mm³ (low)
- D) Leukocytes 11,900/mm³ (high)

Answer: <https://biology-forums.com/index.php?topic=1908240>

Question 230

A patient with iron deficiency anemia has begun taking daily supplements of oral ferrous sulfate. The nurse who is planning this patient's care should add what nursing diagnosis to the nursing care plan?

- A) Risk for excess fluid volume related to use of iron supplements
- B) Risk for unstable blood glucose related to use of iron supplements
- C) Risk for constipation related to use of iron supplements
- D) Risk for peripheral neurovascular dysfunction related to use of iron supplements

Answer: <https://biology-forums.com/index.php?topic=1908364>

Question 231

A community health nurse is cautious when recommending the use of OTC cold remedies to patients. The use of pseudoephedrine would most likely be contraindicated in which of the following patients?

- A) A woman who is breast-feeding
- B) A man with a history of angina and hypertension
- C) A man who has diagnoses of chronic obstructive pulmonary disease and diabetes
- D) A woman who has myasthenia gravis

Answer: <https://biology-forums.com/index.php?topic=1908313>

Question 232

A patient is admitted to the hospital with hyperkalemia. The patient is prescribed sodium polystyrene sulfonate (Kayexalate). How does this medication

lower the patient's potassium level?

- A)It decreases the absorption of exogenous potassium.
- B)It increases urinary excretion of potassium.
- C)It combines with potassium ions for elimination.
- D)It releases sodium to acidify urine with potassium.

Answer: <https://biology-forums.com/index.php?topic=1908356>

Question 233

A patient is being treated for a fungal infection with IV amphotericin B. In order to prevent drug discomfort, the nurse should consistently monitor the patient's levels of

- A)sodium.
- B)hemoglobin.
- C)calcium.
- D)leukocytes.

Answer: <https://biology-forums.com/index.php?topic=1908247>

Question 234

An elderly man who is a resident of a skilled nursing facility develops methicillin-resistant Staphylococcus aureus. What type of infection has this man developed?

- A)Community acquired
- B)Postoperative
- C)Sustained infection
- D)Nosocomial infection

Answer: <https://biology-forums.com/index.php?topic=1908152>

Question 235

A nurse has established intravenous access in a patient whose infection necessitates treatment with IV cefazolin. What potential adverse reaction is most likely during this patient's course of treat?

- A)Gastrointestinal upset
- B)Dry skin and pruritus
- C)Drowsiness
- D)Orthostatic hypotension

Answer: <https://biology-forums.com/index.php?topic=1908191>

Question 236

Epinephrine is indicated in the treatment of a 79-year-old patient whose blood pressure has plummeted in the postanesthesia recovery room following prostate surgery. Epinephrine should be used with caution in a patient of this age because of the risk of

- A)exacerbating chronic cardiac conditions.
- B)causing cerebral ischemia.
- C)increasing intracranial pressure.
- D)causing Stevens-Johnson's syndrome

Answer: <https://biology-forums.com/index.php?topic=1908295>

Question 237

A patient is administered a nucleotide reverse transcriptase inhibitor in combination with a nonnucleotide reverse transcriptase inhibitor. What is the main rationale for administering these medications together?

- A)They facilitate increased adherence to treatment.
- B)They decrease the length of illness.
- C)They have synergistic antiviral effects.
- D)They prevent the development of opportunistic infections.

Answer: <https://biology-forums.com/index.php?topic=1908233>

Question 238

A patient has been brought to the emergency department by ambulance, and his friend states that he has overdosed on methadone, a long-acting opioid. The care team is preparing to administer the appropriate antidote, naloxone, which has a shorter half-life than methadone. What are the implications of this aspect of pharmacokinetics?

- A)Repeated doses of naloxone will likely be necessary.
- B)A different antidote will be required after the serum level of naloxone decreases.

- C) An increased dose of naloxone will be required.
- D) The antidote is unlikely to have a therapeutic effect on the patient's symptoms.

Answer: <https://biology-forums.com/index.php?topic=1908019>

Question 239

A 90-year-old patient's most recent blood work includes the following data: alanine aminotransferase (ALT) 1.99 kat/L (high) and aspartate aminotransferase (AST) 3.1 kat/L (high). What implication do these data have for the patient's pharmacokinetics?

- A) Distribution of drugs may be erratic.
- B) Absorption of drugs may be incomplete.
- C) Excretion of drugs may be delayed.
- D) Metabolism of drugs may be impaired.

Answer: <https://biology-forums.com/index.php?topic=1908057>

Question 240

A patient has informed the nurse that he has begun supplementing his medication regimen with a series of herbal remedies recommended by his sister-in-law. Which of the following is the most important nursing responsibility regarding herbal supplements?

- A) Research for potential interactions with medications.
- B) Instruct the patient to discontinue them if taking prescription medications.
- C) Instruct the patient to take the supplements 1 hour before prescription medications.
- D) Instruct the patient to take the supplements 3 hours after prescription medications.

Answer: <https://biology-forums.com/index.php?topic=1908039>

Question 241

A patient is diagnosed with an infection attributable to the gram-negative microorganism *Pseudomonas*. Which of the following anti-infective agents is most reliable in treating this microorganism?

- A) Aminoglycoside
- B) Antifungal
- C) Aminopenicillin
- D) GABA analog

Answer: <https://biology-forums.com/index.php?topic=1908193>

Question 242

A patient began antiretroviral therapy several weeks ago for the treatment of HIV, and he has now presented to the clinic for a scheduled follow-up appointment. He states to the nurse, "I've been pretty good about taking all my pills on time, though it was a bit hit and miss over the holiday weekend." How should the nurse best respond to this patient's statement?

- A) Remember that if you miss a dose, you need to take a double dose at the next scheduled time.
- B) It's acceptable to miss an occasional dose as long as your symptoms don't get worse, but it's not really recommended.
- C) Remember that your antiretroviral drugs will only be effective if you take them very consistently.
- D) If you're not consistent with taking your medications, you're likely to develop more side effects.

Answer: <https://biology-forums.com/index.php?topic=1908245>

Question 243

A patient has long-standing pain in her right hip, and the orthopedic surgeon has prepared an intra-articular injection. How long will it take for the patient to see improvement in her pain and mobility?

- A) Approximately 10 days
- B) 1 to 3 weeks
- C) 2 to 8 weeks
- D) 1 to 4 months

Answer: <https://biology-forums.com/index.php?topic=1908174>

Question 244

A gerontological nurse has encouraged a group of caregivers who work with older adults to avoid administering first-generation H1 receptor antagonists to these patients. The nurse's cautionary message is an acknowledgment of what possible nursing diagnosis?

- A) Risk for infection related to adverse effects of antihistamines
- B) Risk for falls related to sedation
- C) Risk for deficient fluid volume related to diuresis
- D) Risk for impaired skin integrity related to urticaria

Answer: <https://biology-forums.com/index.php?topic=1908329>

Question 245

A patient is administered daptomycin (Cubicin) to treat a gram-negative infection caused by *Staphylococcus aureus*. Which of the following symptoms should be reported immediately to the physician based on the known adverse effects of daptomycin?

- A) Weakness of the legs and arms
- B) Decreased wound drainage
- C) Hematuria
- D) Shortness of breath

Answer: <https://biology-forums.com/index.php?topic=1908215>

Question 246

A 4-year-old child has eaten many of his mother's prenatal vitamins. Which medication is indicated for iron toxicity?

- A) Deferoxamine (Desferal)
- B) Penicillamine (Cuprimine)
- C) Sucralfate (Carafate)
- D) Magnesium sulfate

Answer: <https://biology-forums.com/index.php?topic=1908358>

Question 247

A patient is administered methotrexate for the treatment of severe rheumatoid arthritis. Administration of this drug should be performed with particular care because of the associated high risk of

- A) intracapsular bleeding.
- B) thrombophlebitis.
- C) hepatotoxicity.
- D) myocardial infarction or CVA.

Answer: <https://biology-forums.com/index.php?topic=1908127>

Question 248

The physician has ordered the patient hydrochlorothiazide. What assessment should the nurse make before administering the first dose of hydrochlorothiazide?

- A) Pulse rate
- B) Hemoglobin level
- C) Sulfonamide allergy
- D) Neutrophil level

Answer: <https://biology-forums.com/index.php?topic=1908343>

Question 249

A patient is diagnosed with acute supraventricular tachycardia, and a critical care nurse is contributing to his plan of care. Which of the following class IV calcium channel blockers is exclusively administered to treat acute supraventricular tachycardia?

- A) Bethanechol chloride (Urecholine)
- B) Chlorambucil (Leukeran)
- C) Diltiazem (Cardizem)
- D) Midazolam hydrochloride

Answer: <https://biology-forums.com/index.php?topic=1908275>

Question 250

A nurse is participating in a code blue response to a patient who lost consciousness after a short period of distress. The physician leading the code has ordered the administration of IV epinephrine. When preparing this drug for administration, the nurse should recognize what goal of this treatment?

- A) Increased cardiac contractility
- B) Increased blood flow to the heart and brain
- C) Increased peripheral blood circulation
- D) Increased release of dopamine

Answer: <https://biology-forums.com/index.php?topic=1908294>

Question 251

A primiparous woman tells the nurse that she and her partner are highly reluctant to have their infant vaccinated, stating, "We've read that vaccines can potentially cause a lot of harm, so we're not sure we want to take that risk." How should the nurse respond to this family's concerns?

- A) Vaccinations are not without some risks, but these are far exceeded by the potential benefits.
 - B) The potential risks of vaccinations have been investigated and determined to be nonexistent.
 - C) Unfortunately, state laws mandate that your child receive the full schedule of vaccines.
 - D) Vaccines indeed cause several serious adverse effects, but these are usually treated at the site where your child receives the vaccination.
- Answer: <https://biology-forums.com/index.php?topic=1908118>

Question 252

A primary care provider has completed an assessment of a patient who recently returned from a trip to Nepal with a nongovernmental organization. The care provider has liaised with the nurse to create a plan of care that will focus on treatment for amebiasis. What signs and symptoms most likely prompted this patient to initially seek care?

- A) Malaise and fatigue
- B) Severe diarrhea
- C) Intermittent fever
- D) Dizziness and confusion

Answer: <https://biology-forums.com/index.php?topic=1908254>

Question 253

A patient with a long-standing dermatological health problem has been advised to use a drug with a local effect. The nurse should recognize what characteristic of this drug?

- A) It affects only the organ system in which it is metabolized.
- B) The drug requires application at multiple sites.
- C) It is effective only as long as it is in contact with skin.
- D) The drug acts primarily at the site where it is applied.

Answer: <https://biology-forums.com/index.php?topic=1908009>

Question 254

A pediatric nurse confronts many challenges when providing medications to children and infants. Which of the following principles is most appropriate when administering medication to children?

- A) If a child is resistant to taking the medication, the nurse should tell the child that it is candy.
- B) Measurement by teaspoons is as accurate as milliliters.
- C) If a drug is not supplied in liquid form, the nurse can always crush the pill.
- D) Assess the child's weight prior to initial drug administration.

Answer: <https://biology-forums.com/index.php?topic=1908041>

Question 255

Oral ampicillin has been ordered for a female patient whose urinary tract infection will be treated in a home setting. When teaching this patient about her antibiotic, the nurse should instruct the patient to do which of the following?

- A) Take the first dose together with diphenhydramine to reduce the chance of an allergic reaction.
- B) Take the drug immediately before a meal, unless the meal will contain large amounts of fat.
- C) Drink a full glass of water when taking a dose of the drug.
- D) Taper off the drug rather than abruptly stopping it.

Answer: <https://biology-forums.com/index.php?topic=1908188>

Question 256

A patient who has been diagnosed with type 2 diabetes mellitus is being instructed on her medication regimen, diet, and exercise. She is having difficulty grasping information about when exactly she should administer insulin. Which of the following nursing diagnoses is most appropriate for this patient?

- A) Deficient knowledge: drug therapy regimen
- B) Noncompliance: overuse
- C) Risk for injury related to adverse effects
- D) Acute confusion related to insulin regimen

Answer: <https://biology-forums.com/index.php?topic=1908035>

Question 257

An older adult's most recent blood work reveals that his serum albumin level is 21 g/L (low). This will most influence what aspect of pharmacokinetics?

- A) Absorption
- B) Distribution
- C) Metabolism

D)Excretion

Answer: <https://biology-forums.com/index.php?topic=1908060>

Question 258

A patient has begun taking antiasthmatic drugs. The patient should avoid excessive intake of what beverage?

- A)Coffee
- B)Grapefruit
- C)Green tea
- D)Acai juice

Answer: <https://biology-forums.com/index.php?topic=1908337>

Question 259

An adult patient has complained to the nurse that she has been experiencing a dry mouth and urinary retention after several nights of taking an OTC sleep aid. The nurse should suspect that this medication contains what antihistamine?

- A)Loratadine (Claritin)
- B)Promethazine (Phenergan)
- C)Diphenhydramine (Benadryl)
- D)Olopatadine (Patanol)

Answer: <https://biology-forums.com/index.php?topic=1908330>

Question 260

A patient states that he has been taking his prescribed clindamycin as ordered, but that it has been causing him to have frequent diarrhea. How should the nurse best respond to this patient's statement?

- A)Reemphasize the importance of taking clindamycin with food.
- B)Encourage the patient to temporarily use an over-the-counter antidiarrheal.
- C)Encourage the patient to increase his fluid intake until the course of treatment is complete.
- D)Liaise with the patient's care provider to have the drug discontinued.

Answer: <https://biology-forums.com/index.php?topic=1908222>

Question 261

A 42-year-old female patient with HIV has been receiving antiretroviral therapy for several years, and her care team has recently added raltegravir (Isentress) to her drug regimen. When appraising the success or failure of this change in treatment and the patient's ability to fight infection, the nurse should prioritize which of the following laboratory values?

- A)The patient's C-reactive protein levels
- B)The patient's erythrocyte sedimentation rate (ESR)
- C)The patient's viral load
- D)The patient's CD4 count

Answer: <https://biology-forums.com/index.php?topic=1908241>

Question 262

Oral atenolol has been ordered for a resident of a long-term care facility who has a diagnosis of angina. Which of the following assessment findings would prompt the nurse to withhold a scheduled dose of the drug? Select all that apply.

- A)Heart rate of 68 beats per minute
- B)Blood pressure of 88/49 mm Hg
- C)Heart rate of 58 beats per minute
- D)Blood pressure of 141/92 mm Hg
- E)Oxygen saturation of 90% on room air

Answer: <https://biology-forums.com/index.php?topic=1908283>

Question 263

Laboratory testing of an 80-year-old patient who is well-known to the clinic nurse indicates that his liver function has been gradually decreasing over the last several years. How will this age-related physiological change influence drug metabolism?

- A)The patient will metabolize drugs more quickly but derive less of a therapeutic benefit from them.
- B)The liver will sequester drug molecules in the hepatocytes, and they will be released at unpredictable times.
- C)Many of the patient's medications will remain in his body for a longer time.
- D)The patient's kidneys will be forced to metabolize a disproportionate quantity of medications.

Answer: <https://biology-forums.com/index.php?topic=1908061>

Question 264

A patient is being discharged from the hospital with warfarin (Coumadin) to be taken at home. Which of the following foods should the patient be instructed to avoid in his diet?

- A) Eggs
- B) Dairy products
- C) Apples
- D) Spinach

Answer: <https://biology-forums.com/index.php?topic=1908088>

Question 265

Which organization is responsible for approving new drugs in the United States?

- A) American Medical Association
- B) American Pharmaceutical Association
- C) Food and Drug Administration
- D) United States Pharmacopeia

Answer: <https://biology-forums.com/index.php?topic=1908006>

Question 266

An unlicensed care provider administered Benadryl to an elderly resident who has been suffering from seasonal pollen allergies. Which of the following assessment findings should prompt the nurse at the facility to suspect that the resident is experiencing anticholinergic effects of this drug?

- A) Blurry vision
- B) Tinnitus
- C) Wheezing on expiration
- D) Urticaria

Answer: <https://biology-forums.com/index.php?topic=1908327>

Question 267

A team of community health nurses have been commissioned to plan and implement a community-based health promotion initiative aimed at addressing obesity. During the planning stages, the nurses should be aware that the prevalence of obesity is highest in which of the following groups?

- A) Caucasian women
- B) Caucasian men
- C) African American women
- D) African American men

Answer: <https://biology-forums.com/index.php?topic=1908369>

Question 268

A patient is administered promethazine (Phenergan) for nausea and vomiting. Which of the following is an adverse effect of promethazine (Phenergan)?

- A) Urinary incontinence
- B) Tachycardia
- C) Taste alteration
- D) Extrapyrimalidal symptoms

Answer: <https://biology-forums.com/index.php?topic=1908390>

Question 269

A patient has purchased an OTC cold remedy that advertises a nondrowsy formulation. The nurse should recognize that this produce likely contains which of the following?

- A) A nasal decongestant but not an antihistamine
- B) An expectorant, a mucolytic, and a benzodiazepine
- C) An expectorant but not a decongestant
- D) A narcotic analgesic and a decongestant

Answer: <https://biology-forums.com/index.php?topic=1908319>

Question 270

A patient with a long-standing diagnosis of asthma is prescribed a beta-blocker for the treatment of angina. The nurse should consequently prioritize assessment for what health problem?

- A)Bronchospasm
- B)Hyperglycemia
- C)Pleural effusion
- D)Pneumonia

Answer: <https://biology-forums.com/index.php?topic=1908279>

Question 271

A patient with colorectal cancer is being treated with oxaliplatin (Eloxatin). Which of the following potential adverse effects should the nurse explain to the patient?

- A)Dysuria
- B)Diarrhea
- C)Insomnia
- D)Cold-induced neuropathy

Answer: <https://biology-forums.com/index.php?topic=1908139>

Question 272

A 9-year-old boy has been admitted to the pediatric unit after being diagnosed with pertussis. The pediatric nurse is processing the boy's admission orders and notes that IV demeclocycline (Declomycin) has been ordered. After beginning this treatment, the nurse should confirm the results of what laboratory test?

- A)Mean corpuscular volume (MCV)
- B)D-dimer
- C)Bilirubin
- D)Blood urea nitrogen (BUN)

Answer: <https://biology-forums.com/index.php?topic=1908209>

Question 273

A patient has been administered nesiritide (Natrecor) to manage symptoms of acute heart failure. How does the drug act?

- A)Nesiritide (Natrecor) exhibits mild inotropic action and decreased platelet aggregation.
- B)Nesiritide (Natrecor) compensates for cardiac deterioration by reducing preload and afterload.
- C)Nesiritide (Natrecor) corrects hyperthyroidism by inhibiting synthesis of the thyroid hormone.
- D)Nesiritide (Natrecor) increases the concentration of acetylcholine to potentiate the action of ACE.

Answer: <https://biology-forums.com/index.php?topic=1908263>

Question 274

A patient is administered telithromycin (Ketek) to treat a community-acquired pneumonia. A change in what blood level may necessitate a reduction in the dosage?

- A)Creatinine
- B)AST and ALT
- C)CPK
- D>Differential

Answer: <https://biology-forums.com/index.php?topic=1908212>

Question 275

A hospital patient with a diagnosis of liver failure has been prescribed a low dose of spironolactone in order to treat ascites. The nurse who is providing this patient's care should prioritize assessments for the signs and symptoms of what health problem?

- A)Peritonitis
- B)Liver cancer
- C)Cirrhosis
- D)Hepatic encephalopathy

Answer: <https://biology-forums.com/index.php?topic=1908348>

Question 276

A home care nurse is visiting a patient, and the assessment will include blood pressure and heart rate. The patient's grandson has a large amount of pseudoephedrine (Sudafed) in the kitchen. For what might the nurse suspect the patient's grandson is using the pseudoephedrine?

- A)Methamphetamine production
- B)Treatment of bronchial asthma
- C)Treatment of sinusitis
- D)To increase appetite

Answer: <https://biology-forums.com/index.php?topic=1908291>

Question 277

A hospital nurse is vigilant in ensuring the safe use of medications and consistently applies the rights of medication administration. Which of the following is one of the traditional rights of medication administration?

- A) Right to refuse
- B) Right route
- C) Right education
- D) Right evaluation

Answer: <https://biology-forums.com/index.php?topic=1908015>

Question 278

An adult patient is experiencing deficiencies in folic acid and vitamin B12. This patient's compromised health status creates a risk for which of the following?

- A) Hyperuricemia
- B) Hepatitis
- C) Non-Hodgkin's lymphoma
- D) Megaloblastic anemia

Answer: <https://biology-forums.com/index.php?topic=1908354>

Question 279

A 12-year-old boy was recently diagnosed with asthma, and his primary care provider has prescribed a corticosteroid to be administered by metered-dose inhaler. This drug achieves a therapeutic effect by which of the following means?

- A) By increasing the number of beta-adrenergic receptors
- B) By increasing the muscle tone in the smooth muscle of the trachea
- C) By increasing the permeability of the alveolar membrane
- D) By increasing the number of binding sites on erythrocytes

Answer: <https://biology-forums.com/index.php?topic=1908181>

Question 280

A patient has a gastrostomy tube, and the pharmacy has delivered an extended-release tablet. What is the most appropriate action taken by the nurse?

- A) Administer the medication orally.
- B) Administer the medication through the tube.
- C) Crush the medication and administer half of it at a time.
- D) Call the pharmacy to obtain an immediate-release form.

Answer: <https://biology-forums.com/index.php?topic=1908030>

Question 281

Following a successful kidney transplant in 1999, a 59-year-old woman has presented to the clinic for one of her regularly scheduled follow-up appointments. The nurse at the clinic should assess the patient in the knowledge that long-term use of antirejection drugs has been associated with

- A) early onset of dementia.
- B) increased risk of malignancy.
- C) atherosclerosis.
- D) increased risk of venous thromboembolism.

Answer: <https://biology-forums.com/index.php?topic=1908131>

Question 282

A patient is scheduled to receive an immunization. In which of the following patients may the administration of a live vaccine be contraindicated?

- A) Patient with renal insufficiency
- B) Patient with hepatic failure
- C) Patient taking steroid therapy
- D) Patient over the age of 65 years

Answer: <https://biology-forums.com/index.php?topic=1908109>

Question 283

The nurse is providing care for a patient who has rheumatoid arthritis. Which of the following herbal supplements is often combined with chondroitin to

repair cartilage?

- A)Ginkgo
- B)Glucosamine
- C)St. John's wort
- D)Saw palmetto

Answer: <https://biology-forums.com/index.php?topic=1908037>

Question 284

A 50-year-old man has just been diagnosed with liver cancer, and the care team is finalizing the chemotherapy regimen that will begin imminently. Administration of chemotherapeutic drugs is best achieved through which of the following?

- A)An intramuscular depot
- B)A peripheral IV in the nondominant forearm
- C)Peripheral intravenous access in the antecubital fossa
- D)A central venous catheter

Answer: <https://biology-forums.com/index.php?topic=1908148>

Question 285

An 80-year-old patient with risk factors for thrombophlebitis is to be administered heparin 5000 units subcutaneously. The heparin vial is labeled 10,000 units/mL. How many milliliters will the nurse administer to the patient?

- A)50 mL
- B)1.5 mL
- C)5 mL
- D)0.5 mL

Answer: <https://biology-forums.com/index.php?topic=1908026>

Question 286

A critically ill patient with a diagnosis of ventilator-associated pneumonia has been administered acetylcysteine by inhalation. The critical care nurse knows that this medication helps to liquefy secretions in the respiratory tract by

- A)increasing the osmolality of mucus.
- B)decreasing the osmolality of mucus
- C)breaking the protein bonds that exist in mucus.
- D)drawing increased amounts of water from interstitial spaces into mucus.

Answer: <https://biology-forums.com/index.php?topic=1908318>

Question 287

A patient is diagnosed with heart failure. She asks the nurse for further details about heart failure. Which of the following statements is most accurate?

- A)Heart failure can be caused by atherosclerotic plaque due to high-fat diets.
- B)Hypothyroidism will result in decreased heart rate and development of heart failure.
- C)The administration of diuretics increases blood volume, causing symptoms to abate.
- D)The use of digoxin will slow heart rate to make your heart more efficient.

Answer: <https://biology-forums.com/index.php?topic=1908257>

Question 288

A woman who is in the first trimester of her pregnancy has told the nurse, I've stopped taking my blood pressure pill because I know it could harm the baby. Instead, I've started taking natural and herbal remedies. What nursing diagnosis is suggested by the woman's statement?

- A)Deficient knowledge related to drug and herbal effects during pregnancy
- B)Health-seeking behaviors related to protection of fetal health
- C)Acute confusion related to the potential teratogenic effects of herbs
- D)Effective therapeutic regimen management related to use of herbs rather than drugs

Answer: <https://biology-forums.com/index.php?topic=1908087>

Question 289

A patient has sought care for follow-up to his recent diagnosis of peptic ulcer disease. The patient states that he has achieved adequate symptom relief with the use of OTC antacids but has asked the nurse about the optimal schedule for taking these drugs. What should the nurse recommend?

- A)Taking the drugs at the earliest appearance of symptoms
- B)Immediately prior to each meal and at bedtime
- C)Every 4 hours during all waking hours
- D)One hour and three hours after each meal and at bedtime

Answer: <https://biology-forums.com/index.php?topic=1908384>

Question 290

A patient is experiencing nausea and visual disturbances when taking digoxin (Lanoxin). Which of the following medications will be administered?

- A) Acetylsalicylic acid (aspirin)
- B) Nesiritide (Natrecor)
- C) Felbamate (Felbatol)
- D) Digoxin immune fab (Digibind)

Answer: <https://biology-forums.com/index.php?topic=1908266>

Question 291

A patient presents at the clinic with sneezing and coughing. He is diagnosed with the common cold. Which type of microorganism causes the common cold?

- A) Gram-positive bacteria
- B) Gram-negative bacteria
- C) Virus
- D) Fungus

Answer: <https://biology-forums.com/index.php?topic=1908308>

Question 292

A patient has been diagnosed with a brain tumor and is dealing with this diagnosis by seeking detailed information about cancer. The nurse would explain to the patient that cancer is essentially a result of the disruption of the

- A) cell cycle.
- B) cell wall.
- C) lymphatic system.
- D) immune system.

Answer: <https://biology-forums.com/index.php?topic=1908133>

Question 293

Which of the following reference books provides information from the drug manufacturers' inserts?

- A) American Formulary Service
- B) Drug Facts and Comparisons
- C) Physicians' Desk Reference
- D) Lippincott's Nursing Drug Guide

Answer: <https://biology-forums.com/index.php?topic=1908007>

Question 294

A woman who began labor several hours ago is to be administered oxytocin. What is the goal of oxytocin therapy?

- A) Prevent postpartum bleeding
- B) Decrease fetal hyperactivity
- C) Augment weak or irregular contractions
- D) Diminish periods of relaxation

Answer: <https://biology-forums.com/index.php?topic=1908070>

Question 295

A 70-year-old woman is assessed in the clinic for signs and symptoms of chronic bronchitis related to pneumococci. Which of the following is a sulfonamide that will most likely be prescribed?

- A) Trimethoprim-sulfamethoxazole (Bactrim)
- B) Tetracycline (Sumycin)
- C) Doxycycline (Vibramycin)
- D) Demeclocycline (Declomycin)

Answer: <https://biology-forums.com/index.php?topic=1908205>

Question 296

A patient has been diagnosed with a community-acquired skin infection and has been prescribed linezolid (Zyvox). Which of the following foods should not be eaten during the administration of this medication?

- A) Pasta

- B)Garlic
- C)Green leafy vegetables
- D)Cheddar cheese

Answer: <https://biology-forums.com/index.php?topic=1908216>

Question 297

The home care nurse sees a patient for the first time. The patient has crackles in the lower lobes of the lungs, an audible S3, and pitting edema in the feet and ankles. What condition is the patient most likely experiencing?

- A)Pneumonia
- B)Liver disease
- C)Heart failure
- D)Myocardial infarction

Answer: <https://biology-forums.com/index.php?topic=1908256>

Question 298

When reviewing a newly admitted patient's previous medication record, the nurse notes that the patient has previously been treated with aprepitant (Emend). The nurse is justified in suspecting that this patient's medical history includes which of the following?

- A)Placement of a nasogastric tube
- B)Chemotherapy
- C)Endoscopy
- D)Radiation therapy

Answer: <https://biology-forums.com/index.php?topic=1908399>

Question 299

Numerous residents of a long-term care facility have developed Clostridium difficile-associated diarrhea over the past week. The nurses at this facility would anticipate that many residents would require which of the following drugs?

- A)Linezolid (Zyvox)
- B)Daptomycin (Cubicin)
- C)Metronidazole (Flagyl)
- D)Chloramphenicol (Chloromycetin)

Answer: <https://biology-forums.com/index.php?topic=1908223>

Question 300

A 1-year-old postoperative patient has been experiencing repeated vomiting. What antiemetic drug has a black box warning against use in a patient of this age?

- A)Promethazine (Phenergan)
- B)Benzquinamide (Emete-Con)
- C)Buclizine (Bucladin-S)
- D)Cyclizine (Marezine)

Answer: <https://biology-forums.com/index.php?topic=1908392>

Question 301

A nurse is teaching an 81-year-old man about the risk for potential adverse effects before he begins a course of antibiotics for an upper respiratory infection. What characteristic of older adults predisposes them to adverse drug reaction?

- A)Increased excretion time due to increased bowel motility
- B)Impaired distribution due to polypharmacy
- C)A decrease in overall body surface area
- D)A decrease in the number of receptors needed for distribution

Answer: <https://biology-forums.com/index.php?topic=1908052>

Question 302

A 40-year-old man has been living with HIV for several years but experienced a significant decrease in his CD4+ levels a few months ago. The patient has just been diagnosed with Mycobacterium avium complex disease. The nurse should anticipate administering which of the following medications? Select all that apply.

- A)Clarithromycin
- B)Pyrazinamide
- C)Rifapentine (Priftin)
- D)Azithromycin

E)Bactrim

Answer: <https://biology-forums.com/index.php?topic=1908230>

Question 303

A patient is being administered epinephrine for the treatment of anaphylaxis. This patient is experiencing what type of hypersensitivity reaction?

- A)Type I
- B)Type II
- C)Type III
- D)Type IV

Answer: <https://biology-forums.com/index.php?topic=1908322>

Question 304

A patient is prescribed ciprofloxacin (Cipro). Which of the following nursing interventions will best prevent crystalluria?

- A)The nurse should limit oral fluids to 500 mL/day.
- B)The nurse should administer 2000 mL of oral fluids per day.
- C)The nurse should insert a urinary catheter.
- D)The nurse should administer phenazopyridine (Pyridium).

Answer: <https://biology-forums.com/index.php?topic=1908195>

Question 305

A patient is undergoing a cytotoxic chemotherapy regimen for the treatment of stage III lung cancer. What effect will this regimen likely have on the patient's hemostatic function?

- A)The patient's platelet count will decline.
- B)The patient will be at increased risk of deep vein thrombosis.
- C)The patient will require prophylactic heparin.
- D)The patient will likely experience thrombocytosis.

Answer: <https://biology-forums.com/index.php?topic=1908144>

Question 306

A pregnant woman states that she has been constipated since becoming pregnant. Which medication is most appropriate for preventing constipation related to pregnancy?

- A)Metamucil
- B)Mineral oil
- C)Saline cathartic
- D)Stimulant cathartic

Answer: <https://biology-forums.com/index.php?topic=1908075>

Question 307

An adult patient has recently begun cancer treatment with methotrexate (MTX). The nurse is aware of the importance of monitoring the patient closely for adverse effects of treatment. When reviewing this patient's laboratory work, the nurse should consequently prioritize assessment of which of the following?

- A)Sodium and potassium
- B)BUN and creatinine
- C)Calcium and magnesium
- D)Arterial blood gases

Answer: <https://biology-forums.com/index.php?topic=1908146>

Question 308

A patient develops tumor lysis syndrome during the administration of chemotherapy agents. Which of the following treatments is implemented to resolve this health problem?

- A)Administration of potassium IV
- B)Administration of anti-inflammatory agents
- C)Limiting of fluid intake and reduction in IV fluid rate
- D)Administration of IV normal saline and sodium bicarbonate

Answer: <https://biology-forums.com/index.php?topic=1908137>

Question 309

A nurse is preparing to administer an intramuscular injection of an older adult's seasonal influenza vaccination. What size needle should the nurse use to administer the injection?

- A)16 gauge
- B)20 gauge
- C)24 gauge
- D)28 gauge

Answer: <https://biology-forums.com/index.php?topic=1908044>

Question 310

When administering magnesium sulfate, for what should the nurse assess the patient?

- A)Dry, pale skin
- B)Respiratory depression
- C)Agitation
- D)Tachycardia

Answer: <https://biology-forums.com/index.php?topic=1908074>

Question 311

A hospital patient's medication administration record specifies concurrent doses of nebulized ipratropium and albuterol at 08:00 and 20:00. When administering these drugs, which of the following statements is true?

- A)The two drugs should be administered at least 30 minutes apart, with ipratropium administered first.
- B)The two drugs can be mixed in the nebulizer immediately before administration.
- C)The two drugs should be administered at least 30 minutes apart, with albuterol administered first.
- D)The nurse should contact the prescriber due to the increased risk of adverse effects when these drugs are administered concurrently.

Answer: <https://biology-forums.com/index.php?topic=1908340>

Question 312

A nurse is working with an adult patient who has recently been diagnosed with hypertension and begun combination therapy. Which of the patient's following statements would suggest a need for further health education?

- A)I'm going to make up a schedule for checking my blood pressure on a regular basis.
- B)I'll only need to take these drugs on days when my blood pressure is particularly high.
- C)My wife and I are thinking of ways that we can cut down the amount of salt in our diet.
- D)I've made plans with my best friend to start going for walks in the morning four times a week.

Answer: <https://biology-forums.com/index.php?topic=1908306>

Question 313

The nurse is repeatedly unsuccessful in starting an IV on a patient who requires antibiotic therapy. The physician then orders the patient to receive an oral antibiotic. What is the major disadvantage of the oral route over the parenteral route?

- A)Slower rate of action
- B)Greater adverse effects
- C)Increased risk of tolerance
- D)Dose must be larger.

Answer: <https://biology-forums.com/index.php?topic=1908029>

Question 314

An intensive care unit (ICU) nurse is preparing to administer an intravenous dose of imipenemcilastatin to a patient who is being treated for sepsis. What aspect of this patient's history would contraindicate the use of this drug?

- A)The patient has a history of type 1 diabetes mellitus.
- B)The patient is showing signs and symptoms of fluid volume excess.
- C)The patient's most recent creatinine level was 140 mol/L (high).
- D)The patient has a documented allergy to penicillin.

Answer: <https://biology-forums.com/index.php?topic=1908190>

Question 315

A 50-year-old male is admitted to the emergency room with a head injury after a motorcycle crash. He is unconscious with one eye dilated and one constricted. He has a widened pulse pressure. What corticosteroid will most likely be administered parenterally?

- A)Cortisone
- B)Prednisone
- C)Dexamethasone (Decadron)

D)Fluticasone (Flonase)

Answer: <https://biology-forums.com/index.php?topic=1908171>

Question 316

Which of the following nursing diagnoses would provide the most plausible indication for the use of epoetin alfa (Epogen) in a patient with renal failure?

- A)Risk for infection related to decreased erythropoiesis
- B)Activity intolerance related to decreased oxygen-carrying capacity
- C)Powerlessness-related sequelae of renal failure
- D)Ineffective breathing pattern related to inadequate erythropoietin synthesis

Answer: <https://biology-forums.com/index.php?topic=1908107>

Question 317

A patient is administered a granulocyte colony-stimulating factor (G-CSF). What is the expected outcome of a G-CSF?

- A)Red blood cell count of 3000 mm³
- B)Decreased number of infections
- C)Decreased fatigue and increased energy
- D)White blood cell count of 20,000 mm³

Answer: <https://biology-forums.com/index.php?topic=1908100>

Question 318

A patient is started on sulfamethoxazoletrimethoprim (Bactrim) for a urinary infection. What would contraindicate the use of Bactrim with this patient?

- A)Liver failure
- B)Rheumatoid arthritis
- C)Bone marrow depression
- D)Congestive heart failure

Answer: <https://biology-forums.com/index.php?topic=1908207>

Question 319

An older adult patient has been prescribed telithromycin for community-acquired pneumonia. The nurse has contacted the patient's primary care provider because the patient is on replacement corticosteroid therapy. Why is concomitant use of telithromycin and corticosteroids contraindicated?

- A)The woman may be unable to adequately metabolize her corticosteroid.
- B)The effect of the corticosteroid may be greatly increased.
- C)The woman may have an increased risk of thromboembolism.
- D)The corticosteroid may negate the efficacy of the telithromycin.

Answer: <https://biology-forums.com/index.php?topic=1908221>

Question 320

A patient is in the admission department prior to outpatient surgery, and she states that she is exceptionally nervous. Which of the following actions increases this patient's stress-related release of cortisol?

- A)Negative feedback mechanism
- B)Stimulation of the hypothalamus
- C)Release of epinephrine and norepinephrine
- D)Atrophy of the adrenal cortex

Answer: <https://biology-forums.com/index.php?topic=1908169>

Question 321

A patient seen in the clinic has symptoms of persistent cough, fever, and night sweats. He recently entered the United States from the Philippines. Which of the following is the most plausible explanation for the patient's condition?

- A)Latent tuberculosis
- B)Bacterial pneumonia
- C)Active tuberculosis
- D)Emphysema

Answer: <https://biology-forums.com/index.php?topic=1908226>

Question 322

A patient previously experienced an anaphylactic reaction to penicillin G. Which of the following medications should not be administered to this patient

due to the potential for cross-sensitivity?

- A) Lactulose (Chronulac)
- B) Ketoconazole (Nizoral)
- C) Kanamycin (Kantrex)
- D) Cefadroxil (Duricef)

Answer: <https://biology-forums.com/index.php?topic=1908184>

Question 323

An adult patient has asked the nurse to recommend an OTC cold remedy because she is unsure which of the many options available is most appropriate. Before making a recommendation, the nurse should do which of the following?

- A) Consult with a pharmacist or pharmacy technician.
- B) Assess the patient's understanding of the epidemiology of the common cold and upper respiratory infections.
- C) Assess the patient for health problems that may contraindicate the use of a particular remedy.
- D) Ensure that the patient has tried some of the more common herbal and natural remedies.

Answer: <https://biology-forums.com/index.php?topic=1908312>

Question 324

A physician has ordered lidocaine IV for a patient with a ventricular dysrhythmia. The nurse has administered a bolus of lidocaine. What is the recommended rate for continuous infusion of lidocaine IV?

- A) 0.25 to 0.75 mg/min
- B) 10 to 20 mg/min
- C) 1 to 4 mg/min
- D) 6 to 8 mg/min

Answer: <https://biology-forums.com/index.php?topic=1908270>

Question 325

An adult patient has developed renal failure secondary to an overdose of a nephrotoxic drug. Which of the following assessment findings would the nurse recognize as being most suggestive of impaired erythropoiesis?

- A) Frequent infections and low neutrophil levels
- B) Fatigue and increased heart rate
- C) Agitation and changes in cognition
- D) Increased blood pressure and peripheral edema

Answer: <https://biology-forums.com/index.php?topic=1908103>

Question 326

A hospital patient with peripheral edema has been prescribed furosemide (Lasix). How should the nurse best determine the extent of the patient's desired fluid loss?

- A) Assess the patient's skin turgor on a daily basis.
- B) Test the osmolarity of the patient's urine regularly.
- C) Weigh the patient daily.
- D) Auscultate the patient's chest each morning.

Answer: <https://biology-forums.com/index.php?topic=1908350>

Question 327

A patient has chosen to receive palliative care after his lung cancer metastasized to his bones and liver. Which of the following is most appropriate during palliative cancer care?

- A) Abrupt cessation of chemotherapy immediately prior to entering palliative care
- B) Aggressive chemotherapy to reduce malignant cell proliferation
- C) The use of chemotherapy to reduce pain
- D) The replacement of chemotherapy with complementary and alternative treatments

Answer: <https://biology-forums.com/index.php?topic=1908145>

Question 328

A nurse has returned to a patient's hospital room for a follow-up assessment during the intravenous infusion of vancomycin. What assessment finding would signal the nurse to the possibility that the patient's infusion is running too quickly?

- A) The patient is flushed and has a visible skin rash.
- B) The patient's apical heart rate is irregular.
- C) The patient is difficult to rouse and has dilated pupils.

D)The patient complains of pain at the intravenous access site.

Answer: <https://biology-forums.com/index.php?topic=1908224>

Question 329

A 71-year-old woman with a history of chronic obstructive pulmonary disease (COPD) and congestive heart failure (CHF) has begun tapering off of prednisone. The nurse should prioritize which of the following assessments during this phase of the woman's care?

- A)Daily weights
- B)Level of consciousness assessment
- C)Nonstress cardiac testing
- D)Positional blood pressure measurement

Answer: <https://biology-forums.com/index.php?topic=1908173>

Question 330

A patient's current medical condition is suggestive of impaired erythropoiesis. Which of the following laboratory studies would be most clinically relevant in diagnosing this health problem?

- A)White blood cell count with differential
- B)RBC, hemoglobin, and hematocrit
- C)INR and aPTT
- D)d-dimer and C-reactive protein

Answer: <https://biology-forums.com/index.php?topic=1908102>

Question 331

A patient is receiving oxytocin (Pitocin). Which of the following is a maternal adverse effect of Pitocin?

- A)Acute confusion
- B)Hypertension
- C)Edema
- D)Inverted T wave

Answer: <https://biology-forums.com/index.php?topic=1908079>

Question 332

The daughter of an 80-year-old woman states that her mother has been taking alendronate (Fosamax) for several years for the treatment of osteoporosis. The daughter tells the nurse that her mother never had any complaints of nausea after taking this medication until recently. How should the nurse respond to the daughter's statement?

- A)It could be that your mother's stomach empties more slowly than it used to, which is a normal result of aging.
- B)As your mother gets older, the medication travels down her esophagus more slowly than it used to. This can cause nausea.
- C)Because your mother processes drugs more slowly than when she was younger, there is more time during which they can cause nausea.
- D)As your mother ages, she has more of the receptors that trigger nausea. This is a normal change that accompanies the aging process.

Answer: <https://biology-forums.com/index.php?topic=1908059>

Question 333

The nurse is preparing to administer a vaccine to a newborn. Before administering the vaccine, the nurse should

- A)warm the vaccine to well above room temperature.
- B)vigorously massage the chosen injection site.
- C)check the infant's temperature.
- D)divide the dose for administration to three injection sites.

Answer: <https://biology-forums.com/index.php?topic=1908114>

Question 334

A patient has been placed on tacrolimus, and the route will be changed from IV to oral prior to discharge home from the hospital. How will this change in administration route affect the patient's plan of care?

- A)The patient's dose of tacrolimus will have to be increased.
- B)The patient will receive the drug QID rather than BID
- C)The patient will have to be monitored more closely for adverse effects.
- D)The patient will have to take tacrolimus concurrently with an antiemetic.

Answer: <https://biology-forums.com/index.php?topic=1908123>

Question 335

A patient has developed Clostridium difficile associated with pseudomembranous colitis. Which of the following medications is effective in the treatment of Clostridium difficile?

- A) Linezolid (Zyvox)
- B) Cladribine (Leustatin)
- C) Clarithromycin (Biaxin)
- D) Metronidazole (Flagyl)

Answer: <https://biology-forums.com/index.php?topic=1908217>

Question 336

A patient who has been experiencing heartburn has begun taking OTC ranitidine (Zantac). The nurse who is working with this patient should be aware that this drug achieves a therapeutic effect by which of the following means?

- A) Raising the pH of gastric secretions
- B) Inhibiting the secretion of gastric acid
- C) Binding to proton pumps
- D) Decreasing gastric motility

Answer: <https://biology-forums.com/index.php?topic=1908383>

Question 337

A child is prescribed therapy with glucocorticoids. The child is placed on alternate-day therapy. What is the advantage of alternate-day therapy in this child?

- A) The child will have less chance of infection.
- B) It will protect the child from hyperglycemia.
- C) The child will have less chance of hypertension.
- D) Adherence will be increased.

Answer: <https://biology-forums.com/index.php?topic=1908172>

Question 338

A nurse who works with patients in a bariatric clinic is teaching a man about the potentially beneficial effects of phentermine. How should the nurse best explain this drug's mechanism of action?

- A) This drug will cause you to have less of an appetite.
- B) This drug will cause you to absorb less of the fat that you eat.
- C) This drug will cause you to burn more calories than you normally do.
- D) This drug prevents fat from being deposited in your tissues.

Answer: <https://biology-forums.com/index.php?topic=1908371>

Question 339

An adult patient with an autoimmune disorder regularly takes oral corticosteroids. The nurse knows that corticosteroids can be used in the successful treatment of inflammation but that they also create a risk for

- A) bleeding.
- B) leukocytosis.
- C) infection.
- D) electrolyte imbalances.

Answer: <https://biology-forums.com/index.php?topic=1908155>

Question 340

A pregnant woman is experiencing nausea and vomiting in her first trimester of pregnancy. Which herbal agent has traditionally been used as an antiemetic?

- A) Ginger
- B) Garlic
- C) Ginkgo biloba
- D) Green tea

Answer: <https://biology-forums.com/index.php?topic=1908067>

Question 341

A patient is experiencing allergy symptoms after being exposed to environmental dust. This reaction involves the action of histamine, which is released by what cells?

- A) Lymphocytes
- B) CD4 T cells

- C) Basophils
- D) Platelets

Answer: <https://biology-forums.com/index.php?topic=1908321>

Question 342

A patient with angina is prescribed propranolol (Inderal). Following absorption of the drug, the nurse should expect to assess

- A) relief of fatigue.
- B) increased oxygen saturation levels.
- C) mild to moderate drowsiness.
- D) decreased heart rate.

Answer: <https://biology-forums.com/index.php?topic=1908280>

Question 343

A nurse is preparing a patient's scheduled dose of oral vancomycin. This patient's current illness was most likely manifested by what sign or symptom?

- A) Vomiting
- B) Inflamed, swollen skin
- C) Shortness of breath
- D) Diarrhea

Answer: <https://biology-forums.com/index.php?topic=1908225>

Question 344

A patient is bothered with nighttime episodes of bronchoconstriction related to asthma. Which of the following medications can be administered to decrease the nighttime episodes and prevent asthma attacks?

- A) Xanthines
- B) Beta2-adrenergic agonists
- C) Anticholinergics
- D) Leukotriene modifiers

Answer: <https://biology-forums.com/index.php?topic=1908336>

Question 345

A patient in cardiovascular collapse requires pharmacological interventions involving a rapid drug action and response. What route of administration is most likely appropriate?

- A) Intravenous
- B) Oral
- C) Rectal
- D) Topical

Answer: <https://biology-forums.com/index.php?topic=1908024>

Question 346

A hospital patient has a standing order for aprepitant on an as-needed basis. The patient should be encouraged to request a dose of the drug

- A) when she anticipates that she will become nauseous.
- B) at the same time each day.
- C) as soon as she senses the onset of nausea.
- D) when her nausea results in vomiting.

Answer: <https://biology-forums.com/index.php?topic=1908400>

Question 347

An adult patient with a diagnosis of asthma has been prescribed montelukast (Singulair). The nurse should teach the patient that this drug will help relieve symptoms by

- A) reducing the muscle tone in the alveoli and facilitating gas exchange.
- B) relaxing smooth muscle in the bronchi and bronchioles.
- C) preventing the bronchoconstriction and inflammation that is caused by leukotrienes.
- D) preventing mast cells from releasing histamine.

Answer: <https://biology-forums.com/index.php?topic=1908342>

Question 348

A 23-year-old female patient is prescribed misoprostol (Cytotec). Which of the following patient teaching interventions is most important?

- A) Supplement therapy with magnesium antacids.
- B) Report postmenopausal bleeding.
- C) Use effective contraceptive measures.
- D) Administer the drug one time per day.

Answer: <https://biology-forums.com/index.php?topic=1908381>

Question 349

A public health nurse is preparing to administer an intramuscular injection of a vaccine to an 8-year-old girl. The nurse recognizes that the child is uncharacteristically quiet and appears tense. The nurse should recognize the possibility of what nursing diagnosis?

- A) Fear related to IM injection
- B) Acute confusion related to misunderstanding of the necessity of IM injection
- C) Risk for injury related to IM injection
- D) Ineffective coping related to reluctance to receive IM injection

Answer: <https://biology-forums.com/index.php?topic=1908049>

Question 350

A 49-year-old patient is diagnosed with ovarian cancer. What is a characteristic of malignant cells that differentiates them from normal body cells?

- A) Cancerous cells do not require an energy source in order to proliferate.
- B) Cancerous cells grow in an uncontrollable fashion.
- C) Cancerous cells have a theoretically infinite lifespan.
- D) Cancerous cells are not responsive to the presence of drugs.

Answer: <https://biology-forums.com/index.php?topic=1908134>

Question 351

An older adult's physician has recommended the occasional use of hydroxyzine for relief of nausea. Following administration, the nurse should assess the patient for

- A) pruritus.
- B) drowsiness.
- C) urinary frequency.
- D) bradycardia.

Answer: <https://biology-forums.com/index.php?topic=1908397>

Question 352

A mother is distraught that her 13-year-old son weighs 260 pounds and continues to gain weight. She has asked her family's primary care provider if her child would be a candidate for treatment with orlistat, which she read about on the Internet. What fact should primarily guide the care provider's decision?

- A) Orlistat is not approved for use in children under the age of 18.
- B) Orlistat can only be administered to children in an inpatient setting.
- C) Alternatives such as increased activity and decreased caloric intake should first be exhausted.
- D) The drug is not likely to be effective until the boy completes puberty.

Answer: <https://biology-forums.com/index.php?topic=1908368>

Question 353

A child has symptoms of influenza, including a fever. Which of the following medications should not be administered to the child because of the risk of Reye's syndrome?

- A) Acetaminophen (Tylenol)
- B) Acetylsalicylic acid (aspirin)
- C) Ibuprofen (Motrin)
- D) Ascorbic Acid (vitamin C)

Answer: <https://biology-forums.com/index.php?topic=1908162>

Question 354

A patient is admitted in atrial flutter. Which of the following nonpharmacological interventions will best assist in long-term maintenance of a normal sinus rhythm?

- A) Implantation of a cardioverterdefibrillator
- B) Initiation of an isometric exercise program
- C) A high-potassium diet
- D) Surgical intervention with a new mitral valve

Answer: <https://biology-forums.com/index.php?topic=1908274>

Question 355

A nurse has called an elderly patient's surgeon to question the order for meperidine hydrochloride (Demerol) for pain control. The nurse's action is prompted by the possibility of what adverse effect associated with the use of Demerol in older adults?

- A) Confusion
- B) Blood dyscrasias
- C) Gastrointestinal bleeding
- D) Hepatotoxicity

Answer: <https://biology-forums.com/index.php?topic=1908055>

Question 356

Albuterol (Proventil) is administered to a patient to promote bronchodilation. Administration of this beta2-adrenergic agonist results in increased production of

- A) leukotrienes.
- B) cortisol.
- C) cyclic AMP.
- D) glucagon.

Answer: <https://biology-forums.com/index.php?topic=1908335>

Question 357

A patient with asthma has been prescribed ipratropium (Atrovent) 2 puffs QID. The nurse should recognize which of the following as the most likely goal of this treatment?

- A) Promoting short-term relief of acute asthma symptoms
- B) Relieving acute bronchoconstriction
- C) Promoting long-term management of asthma symptoms
- D) Promoting blood flow in the alveolar capillaries

Answer: <https://biology-forums.com/index.php?topic=1908339>

Question 358

A patient is prescribed phentermine (Ionamin) in an effort to promote weight loss. What is the most common adverse effect of phentermine?

- A) Dry mouth
- B) Hyponatremia
- C) Fatigue
- D) Hypoglycemia

Answer: <https://biology-forums.com/index.php?topic=1908366>

Question 359

A nurse at a long-term care facility is conducting a medication reconciliation for a man who has just moved into the facility. The man is currently taking clopidogrel (Plavix). The nurse is most justified in suspecting that this man has a history of

- A) hemorrhagic cerebrovascular accident.
- B) hemophilia A.
- C) idiopathic thrombocytopenic purpura (ITP).
- D) myocardial infarction.

Answer: <https://biology-forums.com/index.php?topic=1908091>

Question 360

The nurse is providing care for a patient who is taking isoniazid and rifampin (Rifadin) for the treatment of active tuberculosis. The patient should be taught that an improvement in symptoms will likely be noticed within

- A) 48 hours.
- B) a week to 10 days.
- C) 2 to 3 weeks.
- D) 4 to 6 weeks.

Answer: <https://biology-forums.com/index.php?topic=1908228>

Question 361

The electrocardiogram of a patient in distress reveals the presence of paroxysmal supraventricular tachycardia. The cardiologist has consequently

ordered adenosine, an unclassified antidysrhythmic that is specific to the treatment of this disorder. The nurse should prepare to facilitate what intervention?

- A) Cardiac catheterization
- B) Inserting a central venous catheter
- C) Holter monitoring
- D) Nonstress testing

Answer: <https://biology-forums.com/index.php?topic=1908277>

Question 362

A nurse is administering a mumps vaccine to an adolescent. Which of the following medications should be available when administering an immunization?

- A) Diphenhydramine (Benadryl)
- B) Hydroxyzine (Vistaril)
- C) Physostigmine
- D) Epinephrine

Answer: <https://biology-forums.com/index.php?topic=1908115>

Question 363

A medical nurse has administered an oral dose of 30 mg nifedipine long-acting to a patient with a diagnosis of angina. What principle should guide the nurse's follow-up assessment after administering this drug?

- A) Nifedipine has the potential to induce prodysrhythmic effects.
- B) Nifedipine does not affect heart rate, so assessment after administration is not normally necessary.
- C) The patient's heart rate will be at its lowest approximately 45 minutes to 1 hour after oral administration of nifedipine.
- D) The patient's blood pressure, heart rate, and oxygen saturation level should be assessed 30 minutes after administration of nifedipine.

Answer: <https://biology-forums.com/index.php?topic=1908282>

Question 364

A primiparous woman was vigilant in avoiding medications and herbs during her pregnancy and states that she is similarly committed to protecting her baby's health now that she is breast-feeding. What principle should guide the woman's use of medications while breast-feeding?

- A) Very few medications are explicitly contraindicated while breast-feeding.
- B) It is generally safer to use herbs rather than medications while breast-feeding.
- C) Most women can resume their prepregnancy medication regimen after delivery.
- D) Most medications are contraindicated while a woman is breast-feeding.

Answer: <https://biology-forums.com/index.php?topic=1908084>

Question 365

A patient with sepsis is being treated with gentamicin, and her medication regimen takes into account the phenomenon of postantibiotic effects. What are postantibiotic effects?

- A) The tendency for patients to exhibit symptoms mimicking hypersensitivity after drug administration
- B) The tendency for adverse effects of a drug to be masked during administration
- C) The ability of microorganisms to proliferate between doses of antibiotics
- D) The ability of an antibiotic to kill bacteria even when serum concentrations are low

Answer: <https://biology-forums.com/index.php?topic=1908199>

Question 366

A nurse educator is working with a patient of a bariatric clinic who has just begun taking orlistat. The nurse should encourage the patient to supplement her diet with which of the following?

- A) An iron supplement
- B) A multivitamin
- C) An omega-3 fatty acid supplement
- D) A potassium supplement

Answer: <https://biology-forums.com/index.php?topic=1908375>

Question 367

An obese patient has asked her nurse practitioner to prescribe sibutramine. What variable will most affect the nurse's decision?

- A) Sibutramine has been taken off the market due to adverse cardiovascular effects.
- B) Sibutramine is prohibitively expensive and is not covered by most insurers.
- C) The use of sibutramine requires weekly blood work.

D)Sibutramine must be combined with an anticholinergic drug in order to potentiate its effects.

Answer: <https://biology-forums.com/index.php?topic=1908367>

Question 368

A patient is started on albuterol (Proventil). Of what adverse reaction should the patient be warned?

- A)Polydipsia
- B)Tachycardia
- C)Hypotension
- D)Diarrhea

Answer: <https://biology-forums.com/index.php?topic=1908333>

Question 369

A 22-year-old male patient has been living with Crohn's disease for several years and is experiencing an exacerbation of symptoms. The nurse should anticipate the use of what corticosteroid?

- A)Oral fludrocortisone (Florinef)
- B)Topical hydrocortisone
- C)Oral dexamethasone (Decadron)
- D)Oral prednisone

Answer: <https://biology-forums.com/index.php?topic=1908182>

Question 370

When providing dietary instruction on a low-sodium diet, which dietary choice is most appropriate for a patient with hypertension?

- A)Hot dog, baked beans, and coleslaw
- B)Grilled hamburger, french fries, and cola
- C)Grilled chicken, green salad, and apple
- D)Ham sandwich, potato chips, and cookie

Answer: <https://biology-forums.com/index.php?topic=1908304>

Question 371

A patient with a complex medical history states that his primary care provider has changed his proton pump inhibitor from omeprazole (Prilosec) to esomeprazole (Nexium). The patient is unsure of the rationale for this change in medication and has raised this question with the nurse. What rationale is most plausible?

- A)Nexium has fewer adverse effects.
- B)Nexium can be used long term.
- C)Nexium has fewer drug interactions.
- D)Nexium can be taken on an outpatient basis.

Answer: <https://biology-forums.com/index.php?topic=1908386>

Question 372

A patient is confused about her care provider's advice and has stated to the nurse, I wasn't sure whether he recommended Tylenol or whether he recommended acetaminophen. The nurse should include which of the following information in an explanation of generic and trade names?

- A)Prescribers should refer solely to generic names in their recommendations and written prescriptions.
- B)A generic name is independent of any particular drug manufacturer.
- C)Generic names change frequently, but trade names are more consistent.
- D)Prescribers should refer solely to trade names in their recommendations and written prescriptions.

Answer: <https://biology-forums.com/index.php?topic=1908011>

Question 373

A nurse is conducting a medication reconciliation of a woman who is newly admitted to a long-term care facility. When appraising the woman's medication regimen in light of the Beers Criteria, the nurse will look for

- A)drugs that are known to cause adverse effects in older adults.
- B)drugs for which generic equivalents are available at lower cost.
- C)drugs that have been found to be ineffective in older adults.
- D)drugs that are known to exacerbate the aging process.

Answer: <https://biology-forums.com/index.php?topic=1908053>

Question 374

A patient with a diagnosis of renal failure is being treated with epoetin alfa (Epogen). Frequent assessment of which of the following laboratory values should be prioritized before and during treatment?

- A)AST
- B)C-reactive protein
- C)CBC
- D)ALT

Answer: <https://biology-forums.com/index.php?topic=1908098>

Question 375

A patient has been prescribed ciprofloxacin after being diagnosed with a sinus infection. Which of the following should the patient avoid taking concurrently with ciprofloxacin?

- A)Antacids
- B)Calcium channel blockers
- C)Beta-adrenergic blockers
- D)Diuretics

Answer: <https://biology-forums.com/index.php?topic=1908201>

Question 376

An adult patient has been taking oral prednisone for the treatment of an acute dermatological condition. When teaching this patient about this course of treatment, what teaching point should the nurse emphasize?

- A)The need to supplement prednisone with high doses of vitamin D
- B)The need to avoid drinking grapefruit juice for the duration of treatment
- C)The importance of gradually reducing rather than abruptly stopping the drug
- D)The importance of matching each day's dose to the severity of symptoms

Answer: <https://biology-forums.com/index.php?topic=1908178>

Question 377

A patient tells the nurse, I took my sleeping pill yesterday evening, but it didn't seem to work for me like it usually does. The nurse should consider which of the following variables that can affect drug absorption? Select all that apply.

- A)GI function
- B)Blood flow to the site of administration
- C)The presence of other drugs
- D)Route of administration
- E)The presence of receptor agonists

Answer: <https://biology-forums.com/index.php?topic=1908020>

Question 378

A perinatal nurse is preparing a dose of IV indomethacin for administration to a neonate. What is the most plausible indication for this treatment?

- A)Patent ductus arteriosus
- B)Tetralogy of Fallot
- C)Patent foramen ovale
- D)Cardiomyopathy

Answer: <https://biology-forums.com/index.php?topic=1908163>

Question 379

When assessing a patient's bowel habits, which of the following descriptions is the best indication of normal bowel elimination?

- A)One bowel movement daily in the AM
- B)One bowel movement daily in the PM
- C)Soft, formed stool
- D)Liquid stool

Answer: <https://biology-forums.com/index.php?topic=1908402>

Question 380

A patient with an infection has not responded appreciably to antibiotic therapy, and the nurse suspects antibiotic resistance. What phenomenon is known to contribute to acquired antibiotic resistance?

- A)Bacteria take on genetic material from healthy body cells, reducing antigen recognition.
- B)Microorganisms remain in resting (G₀) phase during antibiotic treatment.
- C)Distribution of an antibiotic is insufficient to cause resolution of the infection.

D)The strongest microorganisms survive antibiotic treatment while the weakest are eradicated.

Answer: <https://biology-forums.com/index.php?topic=1908160>

Question 381

A patient with a diagnosis of bipolar disorder has begun lithium therapy, and the nurse has explained the need for regular monitoring of the patient's serum drug levels. What is the primary rationale for the nurse's instruction?

- A)It is necessary to regularly test for blooddrug incompatibilities that may develop during treatment.
- B)It is necessary to ensure that the patient's drug levels are therapeutic but not toxic.
- C)It is needed to determine if additional medications will be needed to potentiate the effects of lithium.
- D)It is needed in order to confirm the patient's adherence to the drug regimen.

Answer: <https://biology-forums.com/index.php?topic=1908023>

Question 382

A male patient is taking cimetidine (Tagamet). Which adverse effect is more likely to occur with cimetidine than with other histamine2 receptor antagonists?

- A)Hypoxia
- B)Hypertension
- C)Gynecomastia
- D)Seizures

Answer: <https://biology-forums.com/index.php?topic=1908380>

Question 383

The family members of a geriatric patient are angered that she has been colonized with methicillin-resistant Staphylococcus aureus during her stay in the hospital. The nurse should explain what characteristic of colonization to the members of the family?

- A)The bacteria are present but are not causing infection.
- B)The bacteria are causing an infection, but the infection is not spreading.
- C)The bacteria are causing tissue injury at the site of colonization.
- D)The bacteria are spreading within a clearly defined body region.

Answer: <https://biology-forums.com/index.php?topic=1908156>

Question 384

A nurse has administered a dose of a drug that is known to be highly protein bound. What are the implications of this characteristic?

- A)The patient must consume adequate protein in order to achieve a therapeutic effect.
- B)The molecules of the drug that are bound to protein are inactive.
- C)Increased levels of serum protein will increase the effect of the drug.
- D)Each molecule of the drug must bind to a protein molecule to become effective.

Answer: <https://biology-forums.com/index.php?topic=1908021>

Question 385

A nurse is reviewing a newly admitted patient's medication administration record and notes that the patient takes a loop diuretic as well as a thiazide diuretic. The nurse understands what primary rationale for the concurrent use of these two drugs?

- A)Increased diuretic effect
- B)Reduced risk of potassium imbalances
- C)Decreased blood pressure without a risk of bradycardia
- D)Increased adherence to treatment

Answer: <https://biology-forums.com/index.php?topic=1908353>

Question 386

A patient is scheduled to receive one unit of packed red blood cells. The patient states that she has had an allergic reaction to a transfusion in the past. What class of medication will assist in preventing a reaction to the packed red blood cell transfusion?

- A)Antipyretics
- B)Antimicrobials
- C)Antianginals
- D)Antihistamines

Answer: <https://biology-forums.com/index.php?topic=1908324>

Question 387

A young adult man is despondent that he has been unable to lose weight and keep it off. Now that his weight has crested 350 pounds, he has sought advice from the nurse. He states that obesity runs in his family but that his mother had great success in losing weight with the use of amphetamines in the late 1970s. The nurse should explain to the man that this is not a treatment option because

- A) amphetamines have been shown to be largely ineffective in clinical studies.
- B) amphetamines have been superseded by more modern lipase inhibitors.
- C) amphetamines carry a high risk of dependence and abuse.
- D) amphetamines are prohibitively expensive and are not covered by most health insurers.

Answer: <https://biology-forums.com/index.php?topic=1908376>

Question 388

An adult patient with a diagnosis of hypertension has had oral Lasix added to his medication regimen by his primary care provider. The nurse is planning a brief health education session with the patient in light of this change in his treatment plan. What goal should the nurse specify when planning this teaching session?

- A) The patient will identify strategies for limiting his sodium intake.
- B) The patient will describe the rationale for increasing his fluid intake.
- C) The patient will be able to demonstrate correct technique for blood glucose monitoring.
- D) The patient will accurately describe the basic structure and functions of the kidneys.

Answer: <https://biology-forums.com/index.php?topic=1908351>

Question 389

A patient with chronic renal failure is prescribed filgrastim (Neupogen). What is the major effect of filgrastim (Neupogen)?

- A) Decreases neutropenia related to chemotherapy
- B) Decreases white blood cells related to infection
- C) Decreases growth of blood vessels due to ischemia
- D) Decreases platelet count related to bleeding

Answer: <https://biology-forums.com/index.php?topic=1908096>

Question 390

A patient requires a high dose of his new antihypertensive medication because the new medication has a significant first-pass effect. This means that the drug

- A) must pass through the patient's bloodstream several times to generate a therapeutic effect.
- B) passes through the renal tubules and is excreted in large amounts.
- C) is extensively metabolized in the patient's liver.
- D) is ineffective following the first dose and increasingly effective with each subsequent dose.

Answer: <https://biology-forums.com/index.php?topic=1908022>

Question 391

Which of the following is the most likely indication for the use of immunosuppressant agents?

- A) Intractable seizure disorders
- B) Increased intracranial pressure
- C) Organ transplantation
- D) HIV/AIDS with multiple drug resistance

Answer: <https://biology-forums.com/index.php?topic=1908121>

Question 392

A nurse at a long-term care facility is surprised to learn that a new resident's medication administration record runs four pages in length. The nurse knows that polypharmacy carries which of the following risks for older adults? Select all that apply.

- A) Increased risk of complications
- B) Decreased continuity of care
- C) Decreased cognition
- D) Decreased medication adherence
- E) Decreased costs of care

Answer: <https://biology-forums.com/index.php?topic=1908066>

Question 393

The college health nurse is providing health education for freshmen. Which of the following pieces of information about immunizations is applicable to individuals of this age group?

- A) The oral polio should be updated.

- B)The yearly administration of flu vaccine is recommended.
C)The tetanus toxoid must be within 2 years.
D)The administration of hepatitis A vaccine is mandatory.

Answer: <https://biology-forums.com/index.php?topic=1908111>

Question 394

A nurse has provided an oral dose of morphine, an opioid agonist, to a woman in early labor. The nurse should be aware of what characteristic of agonists?

- A)Agonists alter the normal processes of distribution and metabolism.
B)Agonists counteract the action of specific neurotransmitters.
C)Agonists block the action of specific neurotransmitters.
D)Agonists bind to receptors and cause a physiological effect.

Answer: <https://biology-forums.com/index.php?topic=1908017>

Question 395

A 71-year-old man with a history of osteoarthritis is scheduled for hip replacement surgery, and the surgeon has ordered a first-generation cephalosporin to be administered before and after surgery as prophylaxis. Which of the following drugs is a first-generation cephalosporin?

- A)Cefotetan (Cefotan)
B)Cefoxitin (Mefoxin)
C)Ceftriaxone (Rocephin)
D)Cefazolin (Ancef)

Answer: <https://biology-forums.com/index.php?topic=1908187>

Question 396

A patient is to be administered antithymocyte globulin (ATG) to treat renal transplant rejection. What skin test should be assessed prior to the administration of the first dose of medication?

- A)Allergy to horse serum
B)Allergy to ragweed
C)Allergy to dust mites
D)Tuberculosis

Answer: <https://biology-forums.com/index.php?topic=1908126>

Question 397

A nurse is conducting a medication reconciliation for a 79-year-old man who has just relocated to the long-term care facility. The nurse notes that the man has been taking colchicine (Colcris) on a regular basis. This aspect of the man's medication regimen should signal the nurse to the possibility that he has a diagnosis of

- A)osteoarthritis.
B)gout.
C)inflammatory bowel disease.
D)bursitis or tendonitis.

Answer: <https://biology-forums.com/index.php?topic=1908168>

Question 398

A nurse is aware that American drug laws have a long and complex history, with numerous jurisdictions being involved. What is the primary purpose of drug laws in the United States?

- A)To ensure maximum choice for consumers
B)To expedite the workload of care providers
C)To protect the safety of the public
D)To enhance the efficient delivery of health care

Answer: <https://biology-forums.com/index.php?topic=1908012>

Question 399

A patient has been prescribed doxycycline (Vibramycin). Which of the following teaching instructions is a priority with this medication?

- A)Avoid sun exposure.
B)Avoid unprotected sexual activity.
C)Administer with an antacid.
D)Chew the tablets.

Answer: <https://biology-forums.com/index.php?topic=1908206>

Question 400

A patient who is being treated in the intensive care unit has been diagnosed with ventilator-associated pneumonia. Culture and sensitivity testing of the patient's sputum indicates that erythromycin is a treatment option. The nurse knows that this drug is likely contraindicated for what reason?

- A) Erythromycin inhibits normal liver function.
- B) Erythromycin is associated with gastrointestinal upset.
- C) Erythromycin is nephrotoxic.
- D) Erythromycin cannot be administered orally.

Answer: <https://biology-forums.com/index.php?topic=1908218>

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