

### Question 1

The nurse provides information regarding methylphenidate (Concerta) to the parents of a school-age client. Which statements indicate that the parents have good understanding of the information?

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

1. "I will talk with the school nurse about administering a dose at about noon each day."
2. "We should fold the patch with the medication side facing in before it is thrown in the garbage."
3. "We should not expect physical dependence at the low dose given for ADHD."
4. "We can expect that the health care provider will occasionally tell us to stop giving the medication for a few days."
5. "If our child experiences loss of appetite, we should immediately contact the health care provider."

Answer: <https://biology-forums.com/index.php?topic=253043>

### Question 2

The nurse is caring for a client with a pH of 7.32. Which medications would be appropriate to administer to a client with this condition?

1. Oral bicarbonate
2. Sodium chloride
3. Citrate salts
4. Potassium chloride
5. Ammonium chloride

Answer: <https://biology-forums.com/index.php?topic=253344>

### Question 3

What is the age-related change in the gastrointestinal tract that can affect medication administration?

1. Decreased motility
2. Reduced intestinal transit time
3. Increased absorption of medications and nutrients
4. Increased gastric acid production

Answer: <https://biology-forums.com/index.php?topic=252627>

### Question 4

Lab work reveals that a client has an extremely low neutrophil count. The nurse recognizes that colony-stimulating factors (CSFs) can increase the white blood cell count, provided that the client has normal function of which organ?

1. Liver
2. Bone marrow
3. Kidney
4. Gastrointestinal tract

Answer: <https://biology-forums.com/index.php?topic=253512>

### Question 5

First-generation cephalosporins are the most effective of this class of antibiotics against:

1. Protozoans.
2. Gram-negative bacteria.
3. Rickettsia.
4. Gram-positive bacteria.

Answer: <https://biology-forums.com/index.php?topic=253833>

### Question 6

A client is prescribed a medication that is a catecholamine. The nurse will expect the pharmacy to prepare the medication to be administered through which routes?

1. Intravenous
2. Inhalation
3. Oral
4. Topical
5. Subcutaneous

Answer: <https://biology-forums.com/index.php?topic=252785>

### Question 7

The nurse is teaching the client how to use sumatriptan (Imitrex) to treat migraine headaches. Which common side effects should the nurse include in this teaching?

1. Dizziness and nausea

2. Hypotension and irritability
3. Constipation and sedation
4. Anxiety and agitation

Answer: <https://biology-forums.com/index.php?topic=253081>

### Question 8

Which peptide circulating in the blood can cause profound vasoconstriction?

1. Fibrogen
2. Sodium
3. Kinase
4. Angiotensin II

Answer: <https://biology-forums.com/index.php?topic=253248>

### Question 9

The nurse is administering a drug with a half-life of 6 hours. The nurse understands the client will eliminate most of the drug in how many hours?

1. 36
2. 24
3. 6
4. 12

Answer: <https://biology-forums.com/index.php?topic=252432>

### Question 10

The client asks the nurse why the health care provider did not prescribe the same antibiotic that the client always receives for an infection. The best response by the nurse would be:

1. "It doesn't matter which antibiotic you take."
2. "You don't want to take the same antibiotic all the time."
3. "Try this medicine, and if you're not better in 10 days, return to the office."
4. "These bacteria have developed resistance and will respond better to this antibiotic."

Answer: <https://biology-forums.com/index.php?topic=253794>

### Question 11

The client with AIDS asks the nurse why so many medications are prescribed. What is the best response by the nurse?

1. "To decrease the possibility of the virus developing resistance to the medications."
2. "Because the earlier we start multiple medications, the better for you."
3. "To provide you with the most effective treatment for your illness."
4. "Research has shown single medications to be ineffective."

Answer: <https://biology-forums.com/index.php?topic=254086>

### Question 12

The nurse is providing information for a client who will self-administer a twice-daily antidysrhythmic medication at home. Which client statements would the nurse evaluate as indicating good understanding of this process?

1. "If I get the flu, I should stop taking the medication until my fever goes down."
2. "I should take my doses as close to 12 hours apart as I can."
3. "If I forget a dose of medication I should take two pills for the next dose."
4. "If I can't take the medication for a couple of days because I am sick, I should call the clinic for advice."
5. "I should get my prescription refilled before I am completely out of medicine."

Answer: <https://biology-forums.com/index.php?topic=253467>

### Question 13

Opportunistic infections have become less common, and mortality is diminished, because HAART:

1. decreases RNA replication.
2. increases the amount of red blood cells in the body.
3. increases the number of CD4 lymphocytes.
4. decreases the transmission of opportunistic infections from one person to another.

Answer: <https://biology-forums.com/index.php?topic=254104>

### Question 14

A client diagnosed with hypertension is prescribed atenolol (Tenormin). The nurse knows that this medication is a selective beta1 blocker and can be safely used for clients with which concurrent diagnosis?

1. Asthma

2. Diabetes
3. Heart failure
4. Hepatic disease

Answer: <https://biology-forums.com/index.php?topic=252803>

### Question 15

The nurse makes a medication error, but the client is not harmed. The client's family asks the nurse manager what is considered a medication error. Which are potential responses by the nurse manager?

1. Failure to follow health care provider's orders
2. Failure to give the right medication
3. Failure to give a medication at the ordered time
4. Failure to call the pharmacy and report that the medication has been given
5. Failure to give the right dose of the medication

Answer: <https://biology-forums.com/index.php?topic=252505>

### Question 16

How do fluoroquinolones block bacterial DNA replication?

1. Fluoroquinolones inhibit the synthesis of precursor bases.
2. Fluoroquinolones bind to enzymes of bacterial DNA replication, blocking the relaxation and migration processes.
3. Fluoroquinolones inhibit topoisomerase I so that DNA cannot be repaired.
4. Fluoroquinolones bind with the enzyme DNA polymerase, blocking the replication of the DNA process.

Answer: <https://biology-forums.com/index.php?topic=253878>

### Question 17

One of the reasons epinephrine causes an intense fight-or-flight response throughout the body is because it stimulates which receptors?

1. The alpha receptors only
2. All four types of adrenergic receptors
3. The beta-2 receptors only
4. The beta-1 receptors only

Answer: <https://biology-forums.com/index.php?topic=252764>

### Question 18

The client is experiencing mild pain secondary to a minor ankle sprain. Which is the drug class of choice for the client's pain?

1. Nonopioid analgesics
2. Opioid analgesics
3. Adjuvant analgesics
4. Patient-controlled analgesics

Answer: <https://biology-forums.com/index.php?topic=253063>

### Question 19

A client receiving warfarin (Coumadin) therapy is also using the herb feverfew. For what does the nurse assesses?

1. Renal dysfunction
2. Increased coagulation
3. Liver toxicity
4. Increased bleeding potential

Answer: <https://biology-forums.com/index.php?topic=252553>

### Question 20

The nurse is performing a head-to-toe assessment of a client and would expect to palpate the liver in which quadrant?

1. Right lower quadrant
2. Left upper quadrant
3. Right upper quadrant
4. Left lower quadrant

Answer: <https://biology-forums.com/index.php?topic=254200>