

Question 1

Your patient is a 4-year-old child whom you have intubated due to respiratory failure secondary to asthma. During reassessment of the child, which of the following would indicate increased end-organ perfusion?

1. Pupillary dilation
 2. Increased muscle tone
 3. Heart rate of 112
 4. Warm skin
- A) 2, 3, and 4
B) 1, 2, and 4
C) 2 and 4
D) 3 and 4

Answer: <https://biology-forums.com/index.php?topic=410068>

Question 2

Which of the following are risk factors for osteoporosis?

1. Female
 2. Male
 3. African American
 4. Asian
 5. Hormone replacement therapy
- A) 1, 3, and 5
B) 1 and 4
C) 2 and 3
D) 1, 3, and 4

Answer: <https://biology-forums.com/index.php?topic=410329>

Question 3

The main duties of the dispatcher, after sending the responders and providing prearrival instructions, include:

- A) discussing medical direction.
- B) transferring communications.
- C) supporting and coordinating.
- D) directing the crew to an appropriate receiving facility.

Answer: <https://biology-forums.com/index.php?topic=409303>

Question 4

Your patient is a 34-year-old male who is alert and oriented after an intentional overdose of 10 Wellbutrin tablets 30 minutes ago. He denies ingestion of any other drugs or alcohol. Physical examination reveals warm, dry skin; PEARL; and a slight tremor to his hands. HR = 100, BP = 128/84, RR = 14, SpO2 = 99%. Which of the following is most appropriate?

- A) IV of normal saline, KVO; activated charcoal, PO or via NG tube
- B) IV of normal saline, KVO; flumazenil, IV
- C) IV of normal saline, KVO
- D) IV of normal saline, KVO; sodium bicarbonate 1 mEq/kg, IV

Answer: <https://biology-forums.com/index.php?topic=410040>

Question 5

A light, popping, nonmusical sound heard upon auscultation of the lungs is best described as:

- A) stridor.
- B) wheezing.
- C) crackles.
- D) rhonchi.

Answer: <https://biology-forums.com/index.php?topic=408614>

Question 6

Acute exacerbation of Addison's disease can lead to ECG changes and cardiovascular collapse as a result of:

- A) decreased mineralocorticoid secretion resulting in increased sodium and potassium excretion.
- B) electrolyte imbalance secondary to increased mineralocorticoid secretion from the adrenal glands.
- C) electrolyte imbalance and low blood volume secondary to potassium retention and sodium excretion.
- D) electrolyte imbalance secondary to fluid retention, potassium excretion, and sodium retention.

Answer: <https://biology-forums.com/index.php?topic=409496>

Question 7

Which of the following patients has the "typical" presentation of myasthenia gravis?

- A) A 22-year-old woman with fatigue, facial drooping, and difficulty swallowing
- B) A 50-year-old woman with chronic weakness and nausea
- C) A 35-year-old man with abdominal pain and hives
- D) A 60-year-old woman with acute onset of left-side facial drooping

Answer: <https://biology-forums.com/index.php?topic=410579>

Question 8

Which of the following statements about capnography is FALSE?

- A) It can be useful when diagnosing specific pulmonary pathologies.
- B) Normal end-tidal CO₂ values are between 35-45 torr.
- C) It is a useful tool to verify proper endotracheal tube placement.
- D) It can give objective feedback on the efficacy of ventilations being provided to a patient in full cardiac arrest.

Answer: <https://biology-forums.com/index.php?topic=408778>

Question 9

Your patient is a 32-year-old male who has been putting a new roof on his garage in unseasonably warm spring temperatures. He complains of weakness, is conscious, is sweating profusely, and has rapid, shallow breathing and a weak, rapid pulse. He is most likely suffering from:

- A) classical heat stroke.
- B) heat syncope.
- C) exertional heat stroke.
- D) heat exhaustion.

Answer: <https://biology-forums.com/index.php?topic=410254>

Question 10

Which of the following is an advantage of the two-person method of bag-valve-mask ventilation?

- A) Delivers a higher concentration of oxygen
- B) Can provide tidal volumes of 1,200-1,500 mL
- C) Easier to maintain a seal between the patient's face and the mask
- D) Reduces the risk of gastric distention

Answer: <https://biology-forums.com/index.php?topic=410576>

Question 11

School-age children usually develop all of the following EXCEPT:

- A) self-concept.
- B) decision-making skills.
- C) an extreme sense of privacy.
- D) self-esteem.

Answer: <https://biology-forums.com/index.php?topic=409716>

Question 12

Your patient is a 32-year-old male who is alert and oriented, complaining of severe pain. He states he has a history of disk herniation. Today, he experienced an acute onset of lower back pain while lifting a heavy box. Physical examination reveals a palpable muscle spasm and pain with palpation at the level of L4 and L5. He is lying on his right side and states that the pain is too severe for him to move. HR = 132, BP = 152/104, RR = 20, SpO₂ = 99%. Which of the following would NOT be appropriate?

- A) Morphine sulfate IV
- B) Right lateral recumbent position on a long backboard for transport
- C) Valium IV
- D) Cervical collar and supine immobilization on a long backboard

Answer: <https://biology-forums.com/index.php?topic=409404>

Question 13

All of the following are true of the C-1 vertebra EXCEPT that it:

- A) permits nodding.
- B) is called the atlas.
- C) allows twisting and turning motions.
- D) supports the head.

Answer: <https://biology-forums.com/index.php?topic=409026>

Question 14

Which of the following best describes perceived loss of physical functioning without medical or traumatic cause?

- A) Phantom paralysis
- B) Body dysmorphic disorder
- C) Somatization disorder
- D) Conversion disorder

Answer: <https://biology-forums.com/index.php?topic=410707>

Question 15

Which of the following is most prominent mechanism of injury associated with spinal cord injuries?

- A) Penetrating injuries
- B) Sports-related injuries
- C) Auto accidents
- D) Falls

Answer: <https://biology-forums.com/index.php?topic=410589>

Question 16

The type of communication system that works like a telephone is:

- A) duplex.
- B) multiplex.
- C) ultra-simplex.
- D) simplex.

Answer: <https://biology-forums.com/index.php?topic=409312>

Question 17

Which of the following barriers provides the greatest degree of specificity when eliminating foreign substances from the body?

- A) Inflammation
- B) Apocrine secretions
- C) Immunity
- D) Anatomical barriers

Answer: <https://biology-forums.com/index.php?topic=409611>

Question 18

A beta2 specific agonist causes which of the following physiologic responses?

- A) Increased heart rate
- B) Bronchodilation
- C) Decreased heart rate
- D) Bronchoconstriction

Answer: <https://biology-forums.com/index.php?topic=410217>

Question 19

Which of the following statements about sodium nitroprusside (Nipride) administration is NOT true?

- A) The medication must be protected from light.
- B) Because the onset of action is long, this medication should be started in the prehospital phase of care.
- C) Cyanide poisoning may occur with administration.
- D) Severe hypotension may occur with administration.

Answer: <https://biology-forums.com/index.php?topic=410023>

Question 20

Which of the following statements is NOT true of pericardial tamponade?

- A) It is most often associated with penetrating trauma.
- B) The presence of pericardial tamponade is indicated by Cushing's triad.
- C) The pathophysiology results in increased venous pressure and decreased cardiac output.
- D) As little as 150 mL of blood can cause pericardial tamponade.

Answer: <https://biology-forums.com/index.php?topic=410806>