Chapter 37 Pre-Class Quiz

History for 'Chapter 37 Pre-Class Assignment '

Item: Chapter 37 Pre-Class Assignment

Score: 100% (Calculated)

Due: Wednesday, October 22, 2014 7:59 AM

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Answers:

1. Movement in multicellular animals is dependent on:

- a mucous coating.
- the action of muscle cells.
- cilia and flagella.
- movement of mitochondria.

2. How do muscles produce the force that results in movement?

- by activating neurons
- by shortening
- by responding to hormones
- by elongating

3. Which of the following is a muscle tissue that pumps blood throughout the body?

- skeletal muscle
- cardiac muscle
- smooth muscle
- endocardium

4. The functional unit of a muscle cell is:

- a muscle fiber.
- the sarcomere.
- myosin.
- actin.

5. When skeletal muscles contract such that bone segments to move closer together, this action is known as:

- flexion.
- extension.
- lengthening contraction.
- tetanus.

6. A muscle contraction that results from a single action potential is known as:

- a twitch.
- tetanus.
- isometric contraction.
- threshold potential.

7. Two muscle groups that oppose the action of each other include flexors and extensors, like the biceps and triceps. These muscle groups are known as:

- agonists.
- antagonists.
- synergists.
- contragonists.

8. Which of the following is the muscle protein that binds and stores oxygen to maintain aerobic conditions in actively contracting muscle?

- hemoglobin
- myoglobin
- troponin
- calmodulin

9. As arthropods grow, they shed their exoskeletons at periodic intervals, allowing growth before formation of a new exoskeleton. This process of shedding the exoskeleton is known as:

- expansion.
- a growth spurt.
- differentiation.
- molting.

10. Ball-and-socket joints allow flexion, extension, rotation, abduction (moving away from the midline of the body) and adduction (moving toward the midline). Which of the following is(are) an example of a ball and socket joint?

- the knee
- the elbow
- the hip
- the joints between bones of the fingers

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