



QUIZ Time

anatomy 3

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ANATOMY 3

1. Which type of muscle is responsible for voluntary movements?

- A) Smooth muscle
- B) Skeletal muscle
- C) Cardiac muscle
- D) All of the above

• Correct Answer: B) Skeletal muscle

2. Where is smooth muscle primarily found?

- A) Heart
- B) Digestive tract
- C) Limbs
- D) Lungs

• Correct Answer: B) Digestive tract

3. What is the main function of cardiac muscle?

- A) Voluntary movement
- B) Pumping blood
- C) Digestion
- D) Producing heat

• Correct Answer: B) Pumping blood

4. Which of the following structures is involved in muscle contraction?

- A) Mitochondria
- B) Myofibrils
- C) Nucleus
- D) Ribosomes

• Correct Answer: B) Myofibrils

5. Which muscle type is involuntary and striated?

- A) Smooth muscle
- B) Skeletal muscle
- C) Cardiac muscle
- D) All of the above

• Correct Answer: C) Cardiac muscle

ANATOMY 3

6. What does the sarcoplasmic reticulum store in muscle cells?

- A) Oxygen
- B) Calcium ions
- C) Glucose
- D) Sodium ions

• Correct Answer: B) Calcium ions

7. The functional unit of muscle contraction is known as the:

- A) Sarcomere
- B) Myofibril
- C) Muscle fiber
- D) Tendon

• Correct Answer: A) Sarcomere

8. Which protein is responsible for muscle contraction?

- A) Actin
- B) Collagen
- C) Elastin
- D) Myosin

• Correct Answer: D) Myosin

9. Which type of muscle fibers are associated with endurance activities?

- A) Type I fibers
- B) Type IIa fibers
- C) Type IIb fibers
- D) All of the above

• Correct Answer: A) Type I fibers

10. What is the role of the neuromuscular junction?

- A) Transmit electrical impulses to the heart
- B) Allow voluntary control over skeletal muscles
- C) Pump blood in the circulatory system
- D) Transmit oxygen to muscle tissues

• Correct Answer: B) Allow voluntary control over skeletal muscles

