

Cat Muscle Quiz Answer Key PDF

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What is the primary function of the cat's quadriceps femoris muscle?

- A. Flex the forelimbs
- B. Extend the hindlimbs ✓**
- C. Rotate the neck
- D. Contract the heart

Discuss the importance of nutrition in maintaining healthy muscles in cats.

Nutrition plays a crucial role in maintaining healthy muscles in cats by supplying essential nutrients such as high-quality proteins, amino acids, and specific vitamins and minerals that are vital for muscle growth, repair, and overall function.

How do muscle disorders impact a cat's quality of life? Provide examples.

Cat muscle disorders impact their quality of life by causing pain, weakness, and mobility issues, leading to difficulties in performing normal activities. Examples include muscular dystrophy and myopathy.

What are the benefits of regular exercise for cat muscles? (Select all that apply)

- A. Improved muscle tone ✓**
- B. Increased flexibility ✓**
- C. Enhanced digestion
- D. Reduced risk of injury ✓**

Explain the role of cardiac muscles in a cat's body.

The role of cardiac muscles in a cat's body is to contract rhythmically and involuntarily to pump blood from the heart to the rest of the body, maintaining circulation and supporting overall health.

Describe how a cat's core muscles contribute to its overall movement and balance.

The core muscles in a cat, including the abdominal and back muscles, provide support for the spine, enhance coordination, and enable powerful movements, which are essential for their hunting and climbing abilities.

Which muscle group is primarily involved in a cat's ability to jump?

- A. Forelimbs muscles
- B. Core muscles
- C. Hindlimbs muscles ✓**
- D. Neck muscles

Which type of muscle is responsible for voluntary movements in cats?

- A. Smooth muscle
- B. Cardiac muscle
- C. Skeletal muscle ✓**
- D. Nervous tissue

What type of muscle is found in the walls of a cat's internal organs?

- A. Skeletal muscle
- B. Smooth muscle ✓**
- C. Cardiac muscle
- D. Striated muscle

Which muscles are part of the cat's forelimbs? (Select all that apply)

- A. Biceps brachii ✓**
- B. Triceps brachii ✓**
- C. Quadriceps femoris
- D. Extensors of the paws ✓**

Which of the following are functions of skeletal muscles in cats? (Select all that apply)

- A. Movement ✓**
- B. Digestion
- C. Posture ✓**
- D. Circulation

What is the role of the latissimus dorsi muscle in cats?

- A. Flex the hindlimbs
- B. Extend the forelimbs
- C. Support the spine ✓**
- D. Rotate the tail

Explain the differences between skeletal, smooth, and cardiac muscles in terms of structure and function.

Skeletal muscles are long, cylindrical, striated, and under voluntary control, allowing for movement of bones. Smooth muscles are spindle-shaped, non-striated, and involuntary, found in walls of hollow organs like the intestines and blood vessels. Cardiac muscles are branched, striated, and involuntary, making up the heart and responsible for pumping blood.

What are common signs of muscle disorders in cats? (Select all that apply)

- A. Stiffness ✓**
- B. Increased energy
- C. Reluctances to move ✓**
- D. Weight gain

Which muscle type is unique to the heart?

- A. Skeletal muscle
- B. Smooth muscle
- C. Cardiac muscle ✓**
- D. Connectivetissue

Which muscle is located in the cat's back and assists with shoulder movement?

- A. Biceps brachii
- B. Trapezius ✓**
- C. Gastrocnemius
- D. Pectoralis major

What is a common symptom of muscle strain in cats?

- A. Increased appetite
- B. Limp ✓**
- C. Hyperactivity
- D. Excess grooming

Which nutrients are essential for maintaining healthy cat muscles? (Select all that apply)

- A. Protein ✓**
- B. Calcium ✓**
- C. Vitamin C
- D. Omega-3 fatty acids ✓**

Which muscle groups contribute to a cat's agility? (Select all that apply)

- A. Core muscles ✓**
- B. Neck muscles
- C. Hindlimbs muscles ✓**
- D. Tail muscles

What are some preventative measures to avoid muscle strain in cats?

To prevent muscle strain in cats, ensure they have regular exercise, a safe environment, and a balanced diet to maintain a healthy weight.