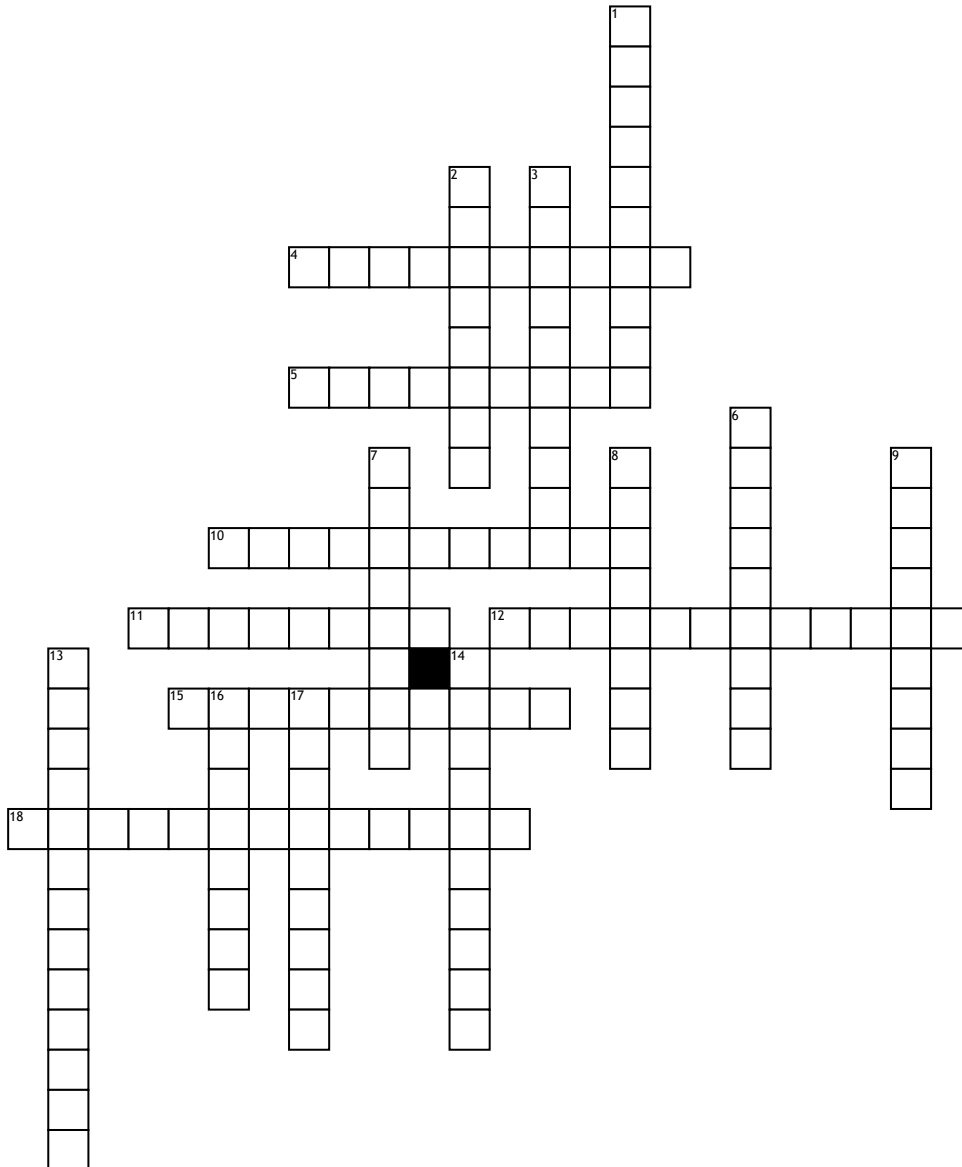


# Chapter 9: Muscular System



## Across

4. The \_\_\_ is a fan shaped muscle located on the side of the skull above and in front of the ear.
5. The \_\_\_ is an elongated strap like muscle that passes obliquely across the front of the thigh and then descends over the medial side of the knee. It connects the ilium to the tibia and flexes the knee and the hip.
10. The \_\_\_ abdominis compresses the abdomen and flexes and rotates the vertebral column.
11. Cardiac muscle is composed of \_\_\_ cells joined end to end forming interconnected, branching three-dimensional networks.
12. \_\_\_ discs help join cells and transfer the force of contraction from cell to cell and allow ions to diffuse between the cells.

15. What muscle elevates the eyebrows as when surprised?

18. A small gap called the \_\_\_ \_\_\_ separates the membrane of the neuron and the membrane of the muscle fiber.

## Down

1. Smooth muscle cells lack \_\_\_ and appear smooth under the microscope.
2. \_\_\_ major and minor connect the vertebral column to the scapula and both retract and elevate the scapula.
3. The \_\_\_ is a large muscle beneath the biceps brachii that connects the shaft of the humerus to the ulna and is the strongest flexor on the elbow.
6. The \_\_\_ is a short muscle whose fibers run from the ulna and the lateral end of the humerus to the radius and it assists the biceps brachii in rotating the forearm laterally.

7. \_\_\_ smooth muscle is the more common type of smooth muscle.
8. What muscle elevates and protracts the mandible?
9. Each transverse tubule lies between two enlarged portions of the sarcoplasmic reticulum called the
13. \_\_\_ is the neurotransmitter that motor neurons use to control skeletal muscle contraction.
14. What is shaped like a pyramid and located inferior to the gluteus minimus? It also abducts and laterally rotates the thigh and is part of the posterior group of muscles that stabilizes the hip
16. \_\_\_ depresses the lower lip and angle of the mouth as when pouting.
17. The \_\_\_ supports the pelvic viscera and provides sphincter like action in the anal canal and vagina.