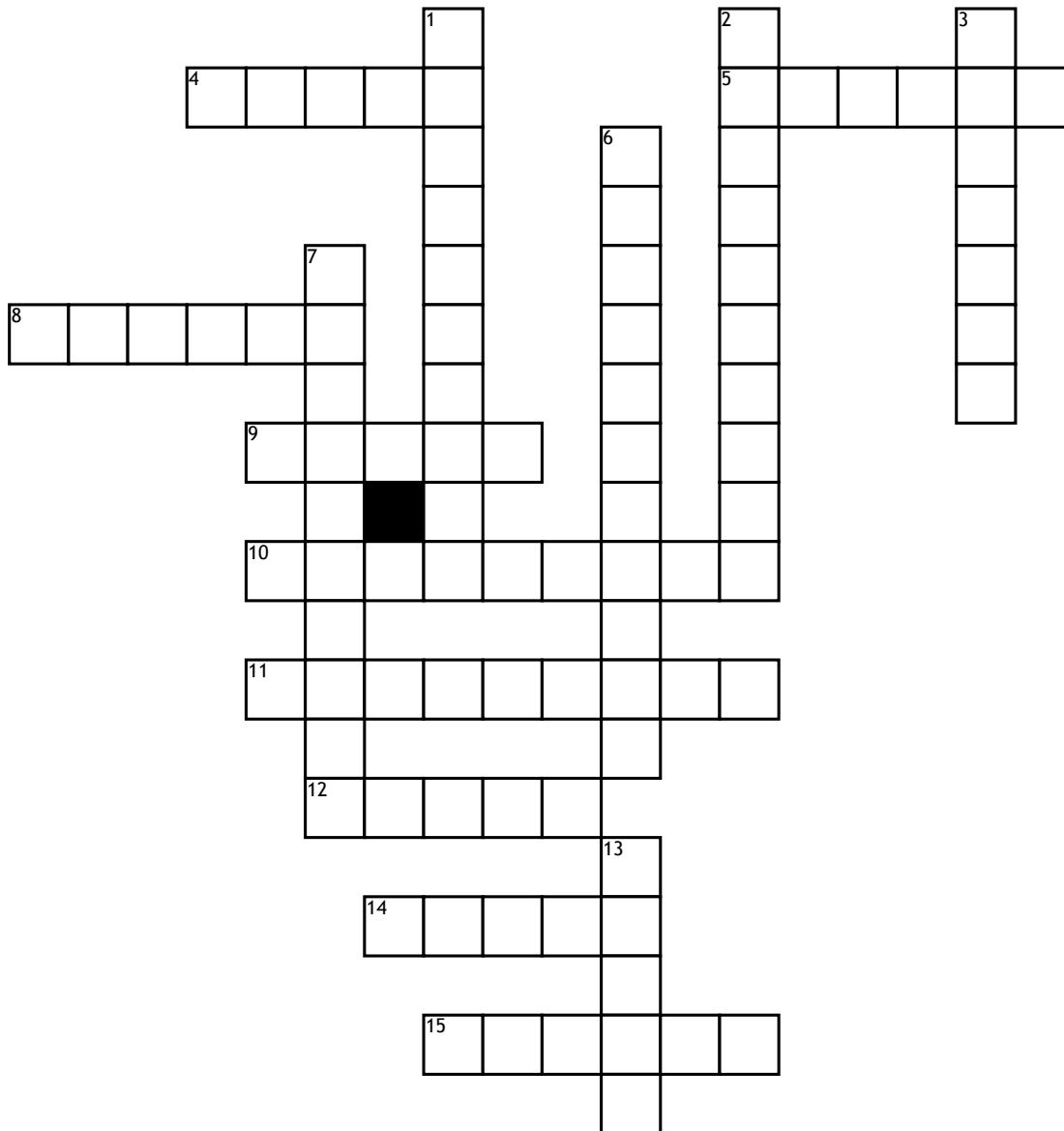


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Muscle Anatomy



## Across

4. a subdivision of the A-Band in the center of the sarcomere where only thick filaments are present.  
5. A cluster of neurons in the central nervous system.  
8. What holds every organ, blood vessel, bone, nerve fiber and muscle in place?  
9. Protein found in microfilaments, which help in movement, maintaining cell shape, and muscle contractions  
10. A layer of connective tissue which covers the entire muscle and is composed of dense irregular tissue.

11. Composed of the protein filaments actin and myosin

12. The attachment site for the thick filaments

14. The region of a striated muscle sarcomere that contains myosin thick filaments.

15. What can split ATP and also reacts with actin in muscle contraction to form actomyosin.

## Down

1. The sheath of connective tissue surrounding a bundle of muscle fibers.

2. What is the wispy layer of areolar connective tissue that ensheaths each individual muscle fiber.

3. What attaches muscle to bone

6. Consist of a single muscle cell which help control forces in the body

7. A water solution containing ATP, phosphagens, and enzymes involved in metabolic reactions

13. What defines the boundaries of a muscle sarcomere?