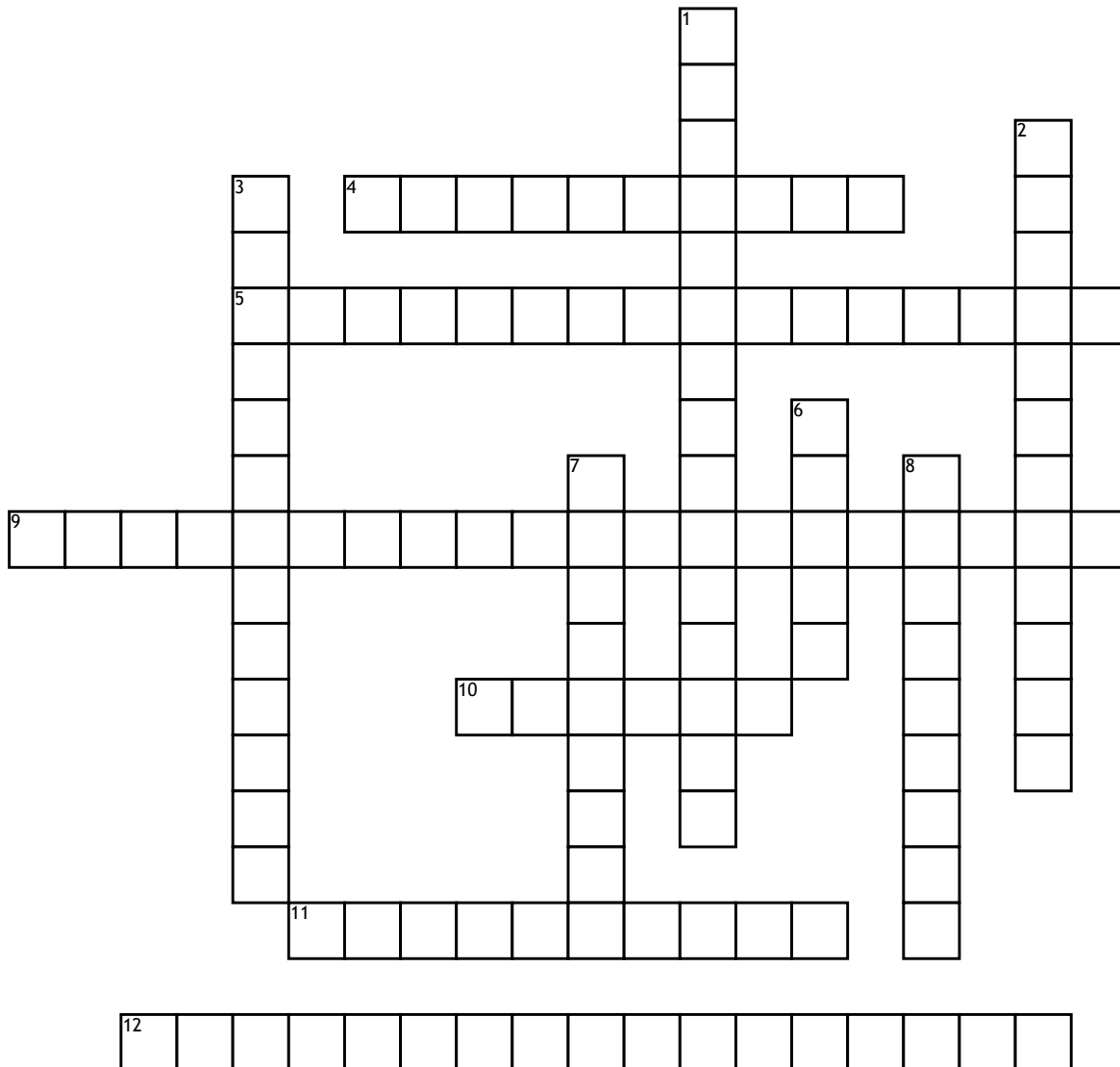


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Muscular system



## Across

4. Muscles that assist the action of a prime mover.
5. Chemicals that axons secrete on effectors or other neurons.
9. Actin and myosin slide past each other during muscle contraction, while the two filament groups stay relatively still.
10. A protein that, with actin, forms the filaments that contract muscle fibers.

11. Continuous passive contraction of muscles, or the resistance to passive stretch during resting state.

12. Membranous channels that extend inward from a muscle fiber membrane.

## Down

1. The sequence of electrical changes that occurs in a portion of a nerve cell membrane that is exposed to a stimulus that exceeds the membranes threshold.

2. Time between application of a stimulus and the beginning response in a muscle fiber.

3. The space between two cells forming a synapse.

6. A protein that forms filaments of the protein myosin, contracting muscle fibers.

7. The structural and functional units of a myofibril.

8. A motor neuron and its associated muscle fibers.