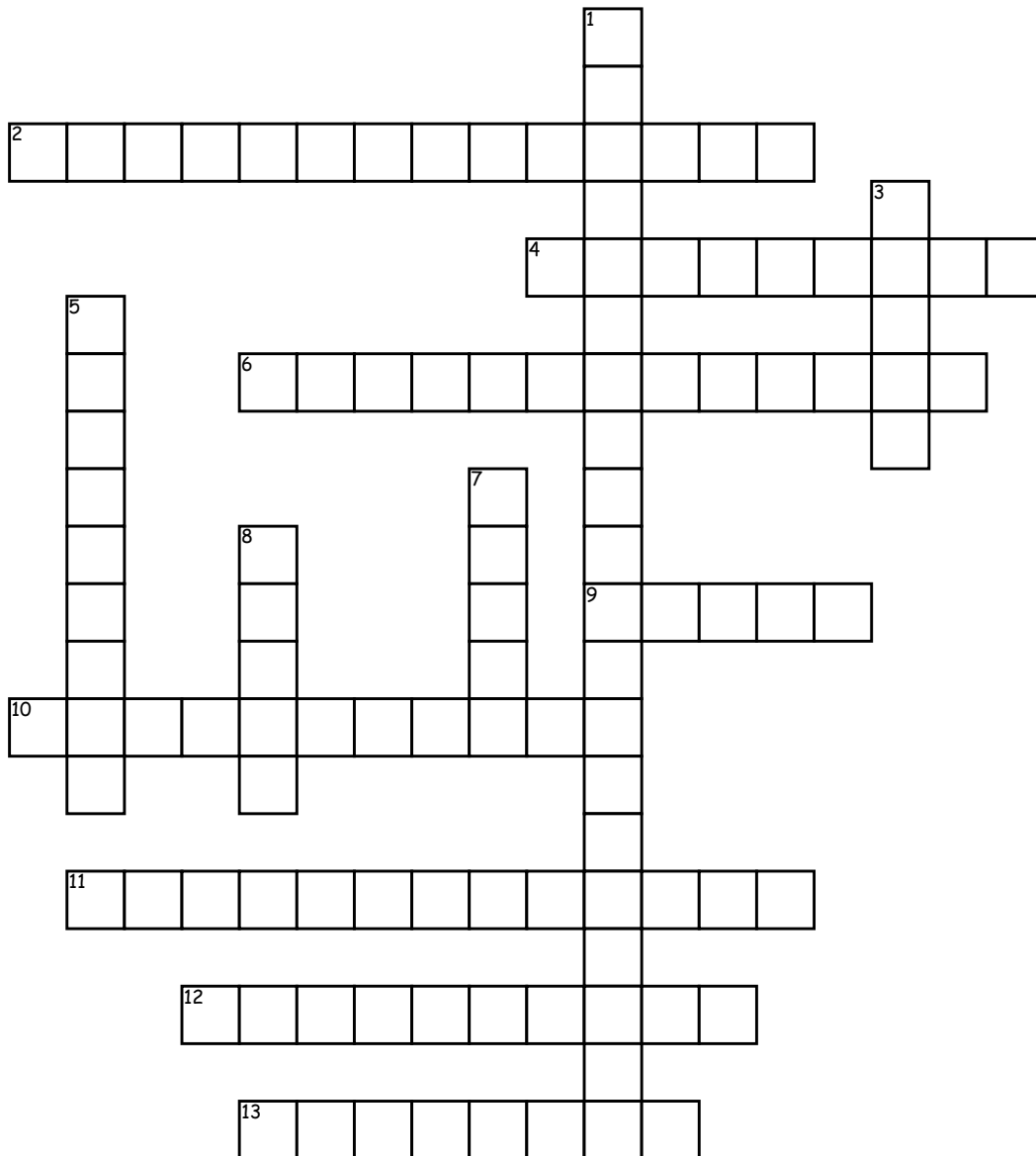


Name: _____

Muscular System



Across

- 2. composed of hundreds of myosin protein molecules
- 4. a pigment that binds to oxygen molecules to get more ATP from glucose
- 6. neurotransmitter that diffuses across the synaptic cleft and initiates an electrical impulse
- 9. region with only thin filaments (light band)

- 10. the connection between a myosin projecting head and an actin molecule
- 11. composed of three different types of protein molecules
- 12. modified cytoplasm that is filled with myofibrils, glycogen, and myoglobin
- 13. the polysaccharide used for stored energy

Down

- 1. enzyme that decomposes acetylcholine to prevent constant stimulation
- 3. the center of the A band with only thick filaments
- 5. the functional unit of a muscle fiber
- 7. the region that contains both thick and thin filaments (dark band)
- 8. the boundary for the sarcomere