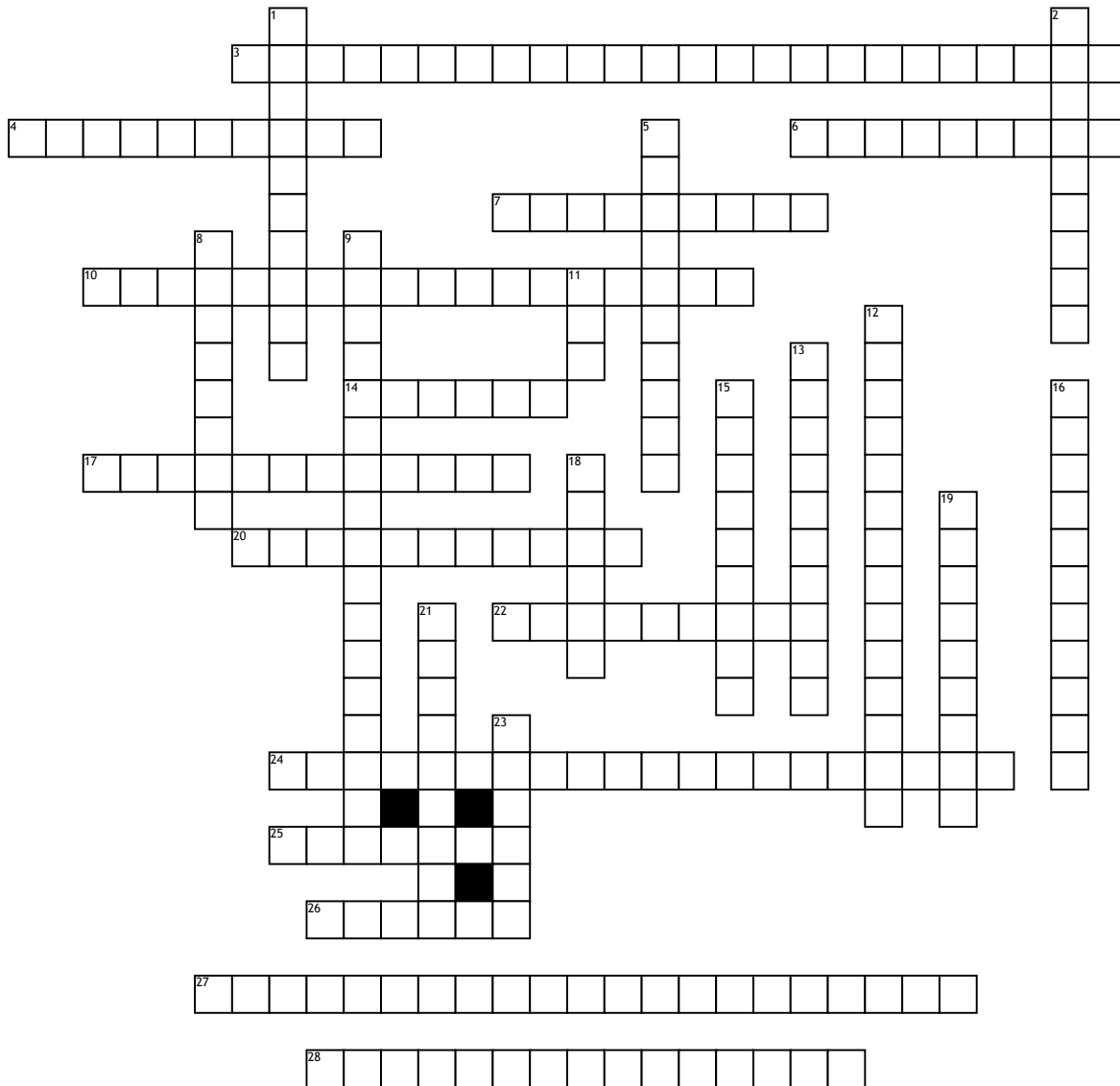


Name: _____

Muscular System



Across

- 3. region where the motor neuron terminal and the adjoining muscle fiber meet, the point where the nerve transmits its message to the muscle fiber
- 4. Connective tissue surrounding a muscle fiber
- 6. Act of stretching or straightening out a flexed limb
- 7. Contractile unit of muscle
- 10. Respiration that requires oxygen
- 14. Attaches muscle to bone
- 17. principle that the action potential in a neuron does not vary in strength; the neuron either fires at full strength or it does not fire at all
- 20. A regulatory protein that, on a resting muscle fiber, covers myosin binding sites along the thin filament, preventing actin and myosin from interacting
- 22. Connective tissue layer surrounding an individual muscle
- 24. Respiration that does not require oxygen

- 25. A bending movement in which the relative angle between two adjacent segments decreases.
 - 26. dark and perfectly aligned lines in muscle fiber
 - 27. Organelle of the muscle fiber that stores calcium.
 - 28. Thick filaments
- Down**
- 1. Connective tissue surrounding a fascicle
 - 2. A motor neuron and all of the muscle fibers it innervates
 - 5. Bundles of protein filaments (myofilaments) within the muscle fibre
 - 8. CIRCULAR MOVEMENT AROUND AN AXIS
 - 9. An energy storage molecule used by muscle tissue. The phosphate from creatine phosphate can be removed and attached to an ADP to generate ATP quickly.
 - 11. (Adenosine Diphosphate) The compound that remains when a phosphate group is removed from ATP, releasing energy

- 12. a thin type of protein filament composed of actin proteins that forms part of the cytoskeleton and supports the plasma membrane and plays a key role in cell strength, shape and movement
- 13. Cell membrane of a muscle cell
- 15. (physiology) moving of a body part toward the central axis of the body
- 16. Broad fibrous sheets of connective tissue
- 18. Attachment of a muscle that remains relatively fixed during muscular contraction.
- 19. (physiology) moving of a body part away from the central axis of the body
- 21. Attachment to the movable bone
- 23. light and perfectly aligned lines in muscle fiber