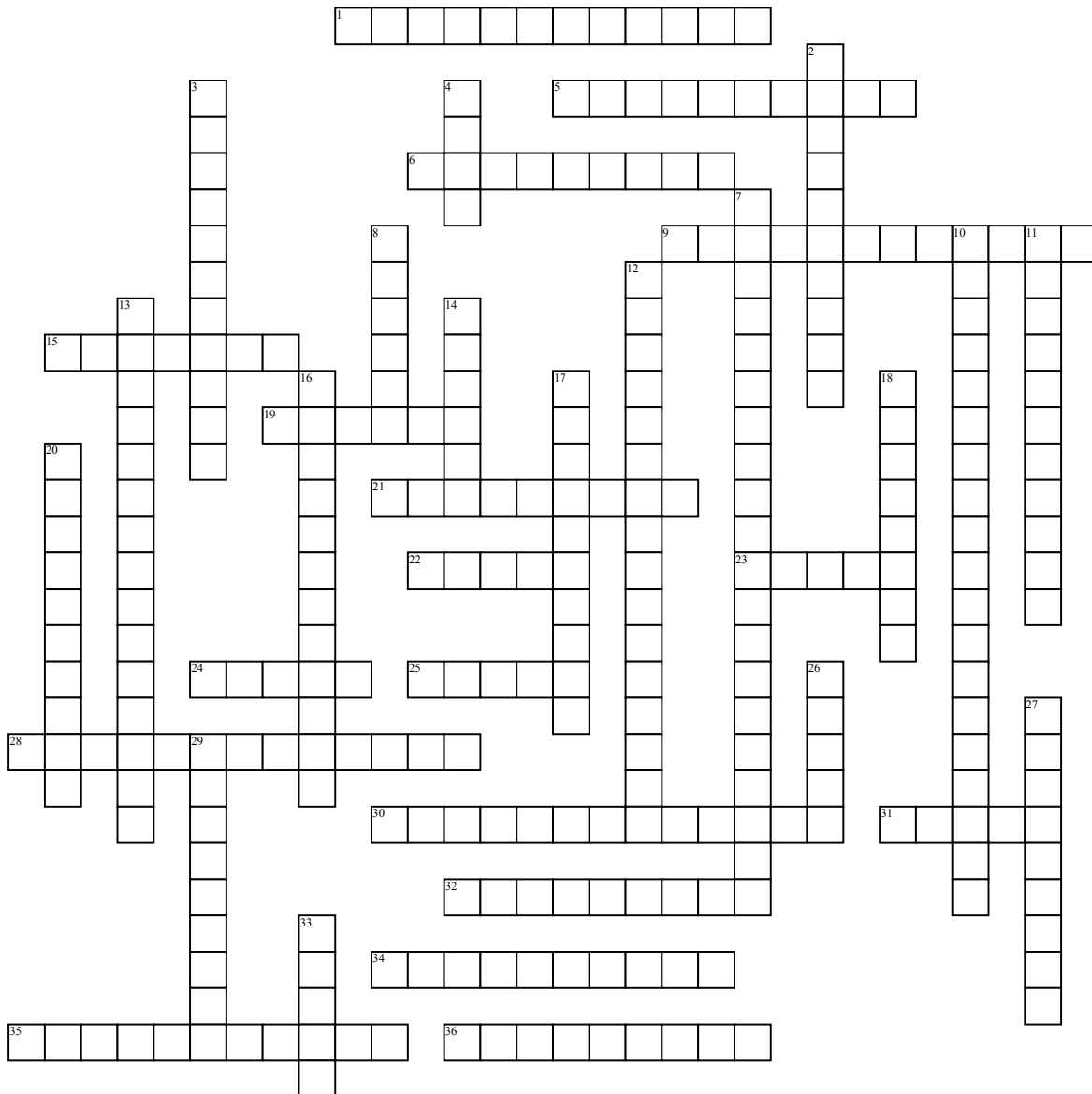


Muscle and Muscle Tissue Vocabulary



Across

- 1. Also called muscle cells
- 5. The cytoplasm of striated muscle cells
- 6. A structural unit of a myofibril in striated muscle
- 9. twitch in a muscle
- 15. a muscle whose contraction moves a part of the body directly
- 19. fibrous protein that forms the contractile filaments of muscle cells
- 21. A bundle of structures, such as nerve or muscle fibers or conducting vessels in plants
- 22. Thick filaments that has no actin
- 23. attachment site that doesn't move during contraction
- 24. A rigid bar that moves on a fixed point called the fulcrum
- 25. A protein that forms (together with myosin) the contractile filaments of muscle cells
- 28. The decline in ability of a muscle to generate force
- 30. Muscles of the body remain semi-contracted for an extended period

- 31. The attachment site for the thick filaments
 - 32. A red protein containing heme
 - 34. The sheath of connective tissue surrounding a bundle of muscle fibers
 - 35. A protein involved in muscle contraction
 - 36. Made of a motor neuron and the skeletal muscle fibers innervated by the motor neuron's axonal terminals
- Down**
- 2. An extended membrane enclosing the contractile substance of a muscle fiber
 - 3. a muscle whose actin contracts that of another specified muscle
 - 4. Closer to the fulcrum and the effort farther from the fulcrum
 - 7. Muscle actively held at a fixed length
 - 8. A pale band across a striated muscle fiber that consists of actin
 - 10. Tension remains the same, whilst the muscle's length changes
 - 11. The process of which a muscle becomes or is made shorter and tighter

- 12. Extensions of the cell membrane that penetrate into the centre of the skeletal and cardiac muscle cells
- 13. A muscle controlled by an individual's will
- 14. The region of a striated muscle sacromere that contains myosin thick filaments
- 16. Filaments of myofibrils
- 17. continuous and passive partial contraction of the muscles
- 18. A globular protein complex involved in muscle contraction
- 20. meaning within the muscle
- 26. A very large protein that contributes to the elasticity of striated muscle fibers
- 27. The action of inserting something
- 29. A sheath of fibrous elastic tissue surrounding a muscle
- 33. A thin, dark disk that transversely bisects the I band of a striated muscle fiber