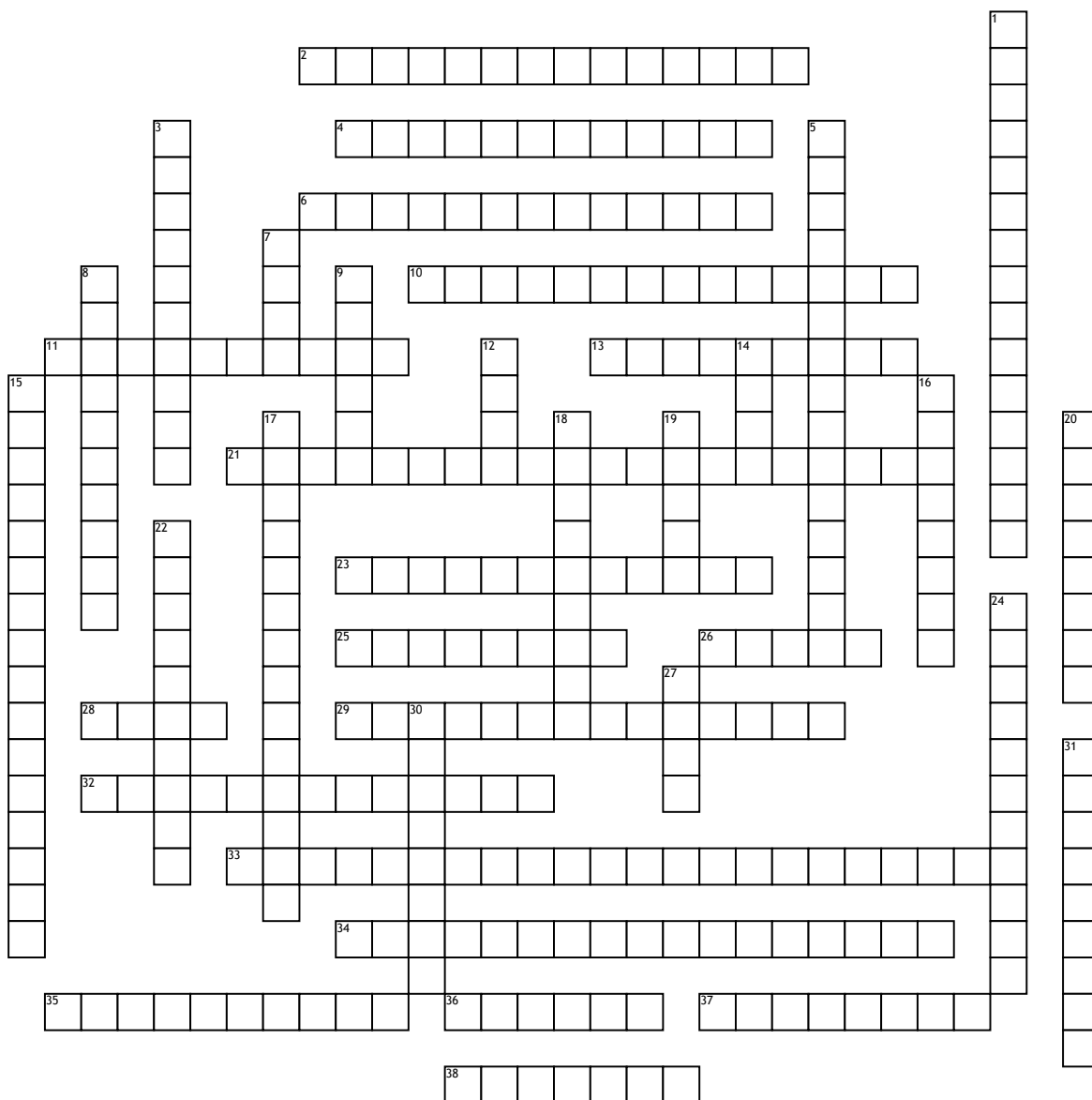


A&P Section 2



Across

2. controls right side of body
 4. the insulating substance that surrounds may vertebrate nerve cells
 6. transparent fluid that fills the large chamber behind the lens
 10. deeply creased surface of the cerebrum
 11. controls speaking process
 13. a cell of nervous system that provides support, insulation and protection for neurons
 21. The part of the motor division of the peripheral nervous system that controls voluntary movement
 23. the chain of supporting cells enclosing the axons of many neurons forming an insulating layer
 25. small, branched extension that carries impulses toward the cell body
 26. photo receptor cells in the back of the eye that detect color, but are not very sensitive to light
 28. disk of tissue located at the back of the cornea
 29. another dame for eyedotor
 32. the region of the ear where vibrations enter
 33. The part of the motor division that regulates activities NOT under conscious control
 34. chemicals that are released when an action potential reaches the end of an axon
 35. visual information is relayed from rods and cones to the brain

36. A cell consisting of a cell body, dendrite, and an axon that carries impulses throughout the nervous system
 37. largest part of the neuron in which metabolic activity takes place
 38. An electrical impulse that is carried by neurons in the nervous system

Down

1. The rapid change in voltage on the inside of the axon from negative to positive and then back to negative
 3. the ability of the brain to make long-term adjustments to long-term changes
 5. controls left side of the body
 7. photo receptor cells in back of eye that are extremely sensitive to light, but do not detect color
 8. second-largest part of the brain at lower of head
 9. tough transparent layer at the surface of the eye that focuses light
 12. long branched extension that carries impulses away from the cell body
 14. flexible structure behind the pupil, filled with a transparent protein that helps the eye to focus to see near or far objects
 15. part of the brainstem that regulates flow of information between the brain and the rest of the body
 16. ear drum
 17. c-shaped, thick band of nerve fibers connecting the right and left cerebral hemispheres

18. connects brain to the spinal chord
 19. opening in the iris that regulates the amount of light that enters the eye
 20. largest, , most complex part of the human brain, has 4 lobes
 22. the thin membrane covering the opening to the inner ear that picks up the vibrations from the bones of the ear
 24. short memory-holding tank: free-will component of brain
 27. region of connection tissue at the base of the brainstem
 30. regulates the information that goes to the cerebral cortex
 31. the area at the back of the eyeball where the optic nerve leads off to the brain