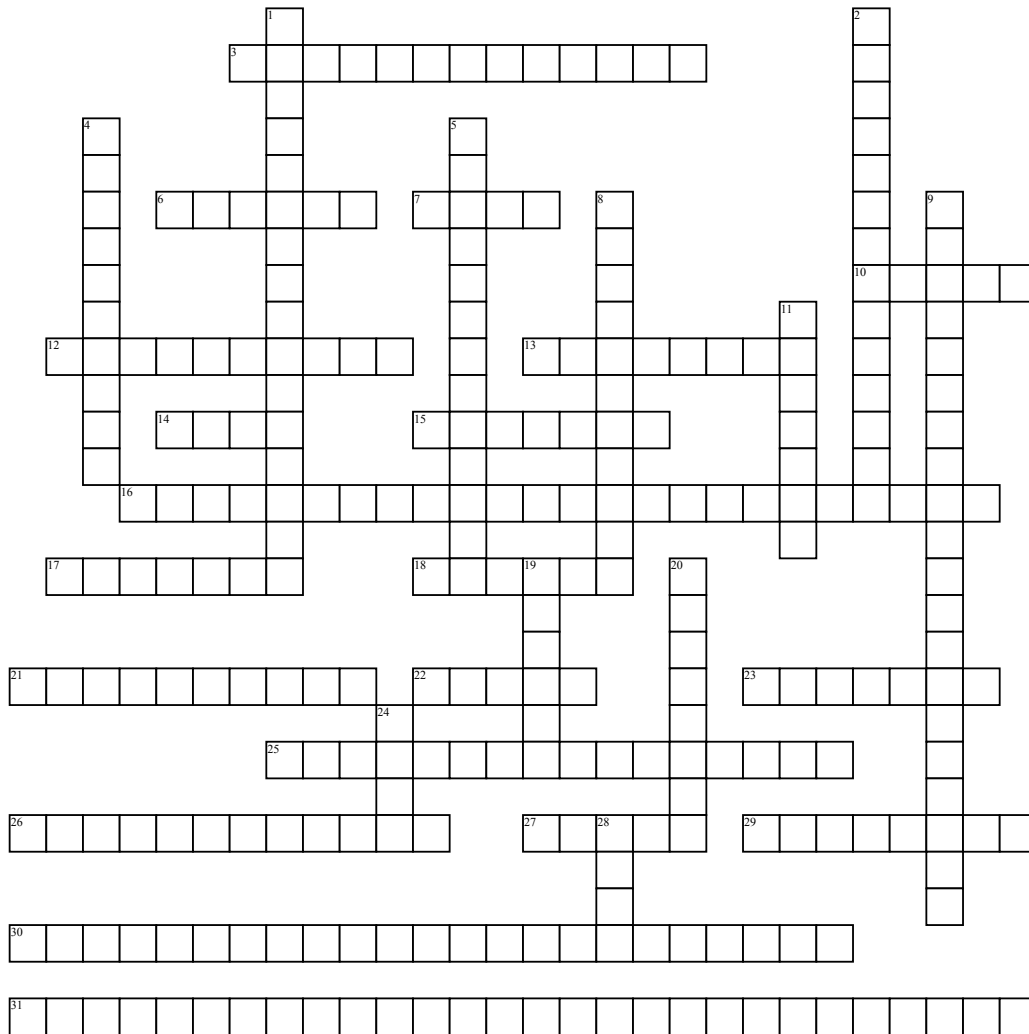


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# The Nervous System



## Across

3. Neurons that convert external stimuli into messages to the brain  
 6. An action that is caused by stimulus and done without thought  
 7. Refracts light into a picture onto the retina  
 10. A cell in the retina that responds to sharp light and color, sharpness of vision  
 12. Back of the brain that coordinates muscle movements  
 13. Front of the brain that integrates left and right parts of the brain  
 14. Nerve fiber that extends from the neuron and sends electrical impulses  
 15. Spiral cavity of the inner ear  
 16. Prepares the body for intense physical activity  
 17. Structure containing nerve cell bodies, swelling on nerve fiber

## Word Bank

Lens  
 Axon  
 Peripheral nervous system  
 Reflex  
 Neurotransmitter  
 Impulse  
 Motor neuron  
 Spinal cord

Dendrite  
 Iris  
 Retina  
 Photo receptors  
 Nerve impulse  
 Neuron  
 Ganglia  
 Cerebellum

18. A cell that transmits nerve impulses  
 21. Bundle of nerves surrounding the spine that connects the whole body to the spine  
 22. Organ that is the center of the nervous system  
 23. Junction between nerve cells  
 25. A chemical that is released by neurons to send messages  
 26. Signal that is translated along the nerve fiber  
 27. Bundle of fibers that send messages to the brain and then to the muscles  
 29. Something that transmits stimuli to sensory nerves  
 30. Nerves outside brain and spinal cord  
 31. Relaxes the body by; slowing heart rate, relaxing sphincter, ETC

## Down

1. Lowest part of brain stem

2. A structure that responds to light falling on it  
 4. Nerve that translates brain to retina  
 5. A chemical released to send messages  
 8. Neuron apart of the path between brain and muscles  
 9. Nerves inside brain and spinal cord  
 11. A pulse of electric energy that travels along nerves and directs the body  
 19. A wall of cells in the back of the eye that sends impulses to the optic nerve  
 20. Extension of the nerve cell that receives/pass info to and from cells  
 24. Responsible for controlling amt of light falling on retina  
 28. Light sensitive cells in the retina that provide side vision and sight in the dark

Acetylcholine  
 Sympathetic nervous system  
 Medulla oblongata  
 Rods  
 Central nervous system  
 Sensory neuron  
 Parasympathetic nervous system  
 Cones

Nerve  
 Receptor  
 Brain  
 Cerebrum  
 Synapse  
 Cochlea  
 Optic nerve