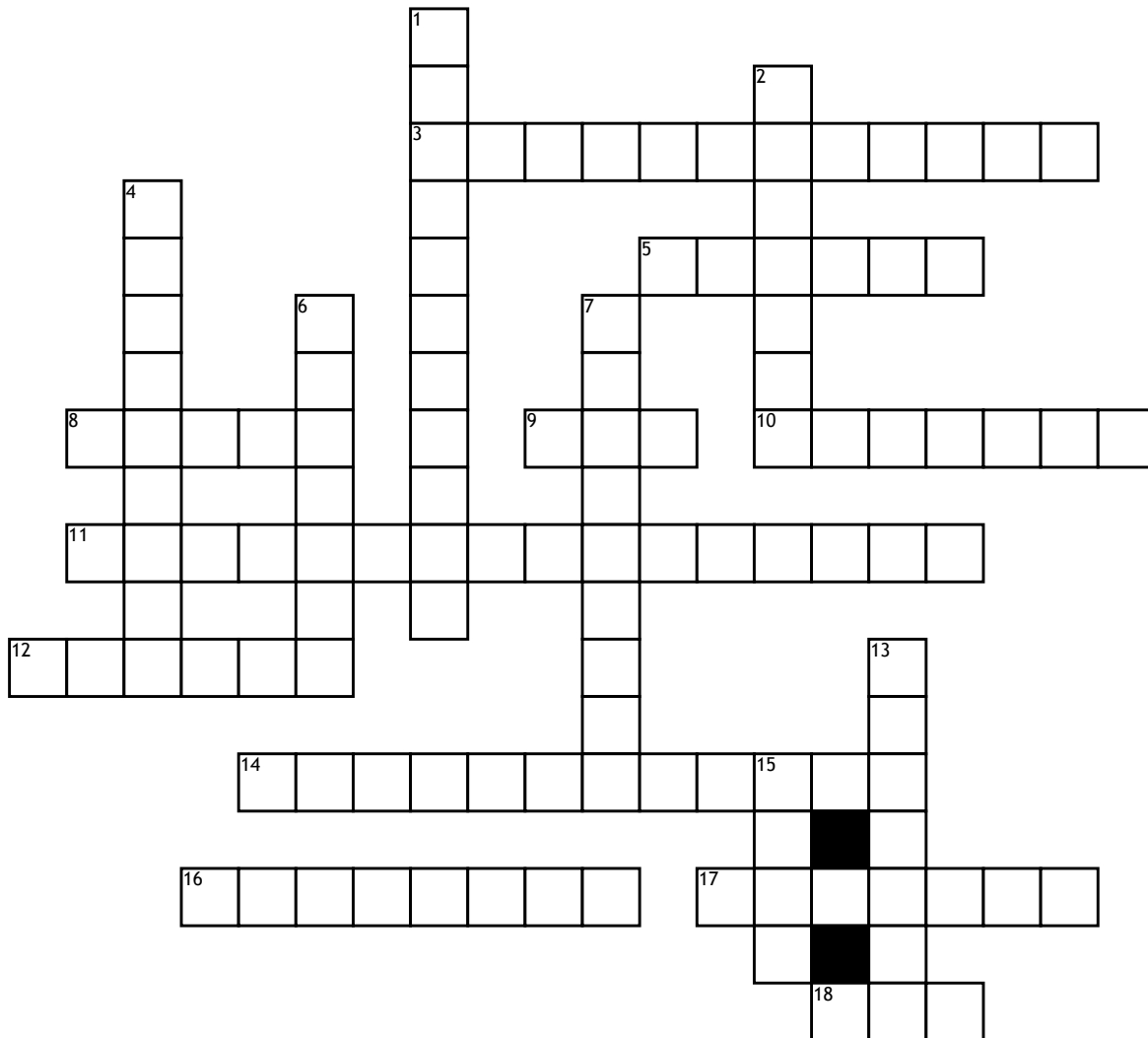


# The Nervous System



## Across

3. Shuttle signals through CNS pathways; most are entirely within CNS

5. Bundles of neuron processes in PNS

8. Carry impulses from CNS to effectors

9. The portion of the nervous system outside CNS

10. Transmit impulses from sensory receptors toward CNS

11. Processes wrap CNS nerve fibers, forming insulating myelin sheaths thicker nerve fibers

12. Bundles of neuron processes in CNS

14. Protects and electrically insulates axon Increases speed of nerve impulse transmission

16. convey impulses from visceral organs to CNS

17. sensory fibers—convey impulses from skin, skeletal muscles, and joints to CNS

18. Consist of the brain and spinal cord

## Down

1. Regions of brain and spinal cord with dense collections of myelinated fibers - usually fiber tracts

2. excitable cells that transmit electrical signals

4. small cells that surround and wrap delicate neurons

6. Master controlling and communicating system of body

7. Receptive (input) region of neuron

13. Surround all peripheral nerve fibers and form myelin sheaths in thicker nerve fibers

15. Conducting region of neuron