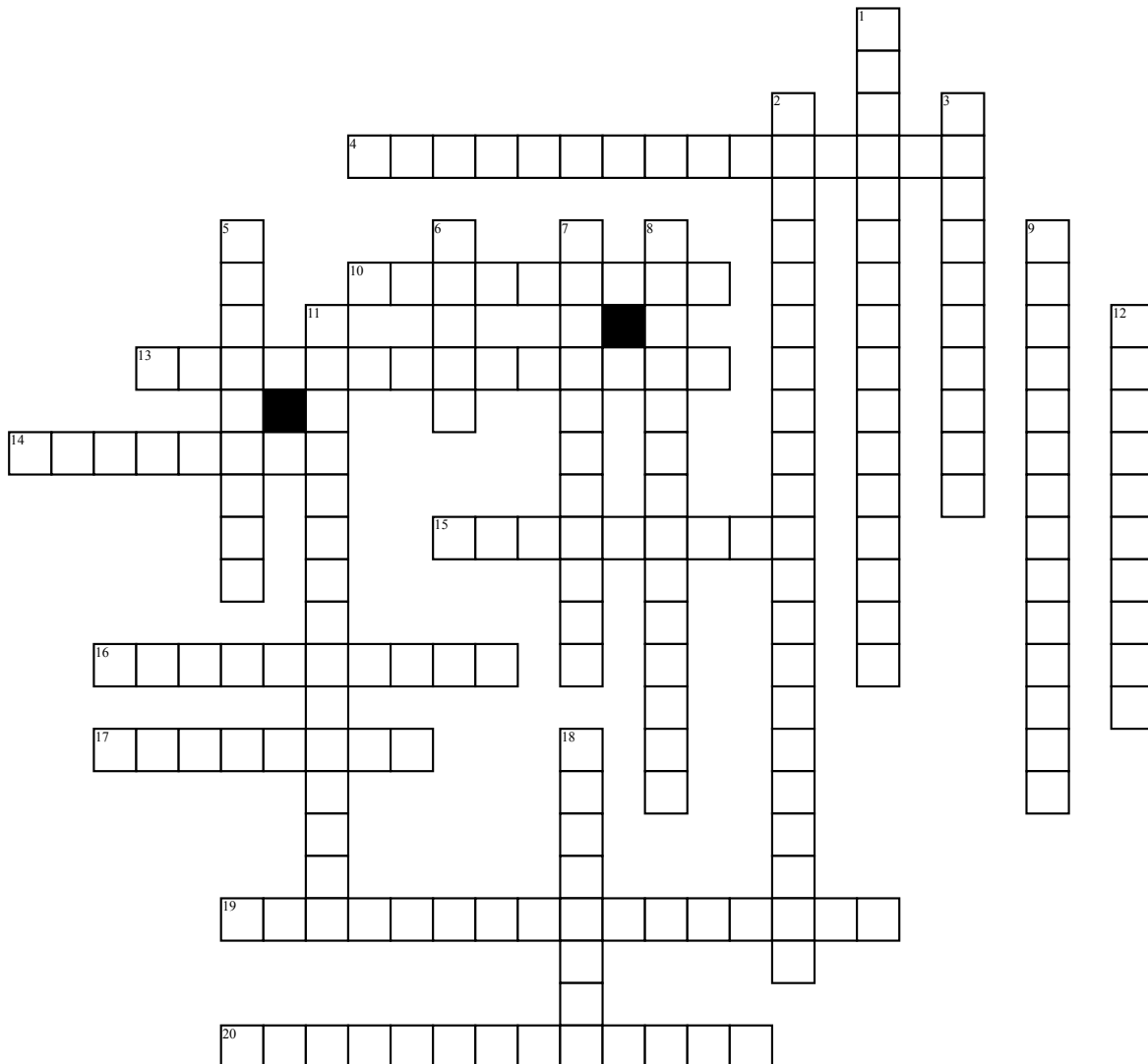


# Chapter 11 Nervous System



## **Across**

4. conduct sensory impulses to the brain  
 10. composed of tough, white, dense connective tissue  
 13. weblike membrane that does not have blood vessels  
 14. thin and contains many nerves  
 15. motor fibers conduct impulses to muscles that move the eyes  
 16. a nerve column that extends from the brain into the vertebral canal  
 17. automatic, subconscious responses to changes

19. sensory fibers conduct impulses associated with the sense of equilibrium

20. lies between the dural sheath and the bony walls

## **Down**

1. conduct motor impulses to muscles and glands  
 2. tiny fingerlike structures  
 3. provides a barrier between the blood and the brain  
 5. sensory fibers conduct impulses associated with the sense of smell

6. the largest and the most complex part of the nervous system

7. masses of gray matter deep within the cerebral hemispheres

8. a thin layer of gray matter near the surface

9. sensory fibers conduct impulse associated with the sense of hearing

11. the walls of the ventricles secrete CSF

12. four interconnected cavities

18. selects incoming sensory impulses and relays them to the cerebral cortex