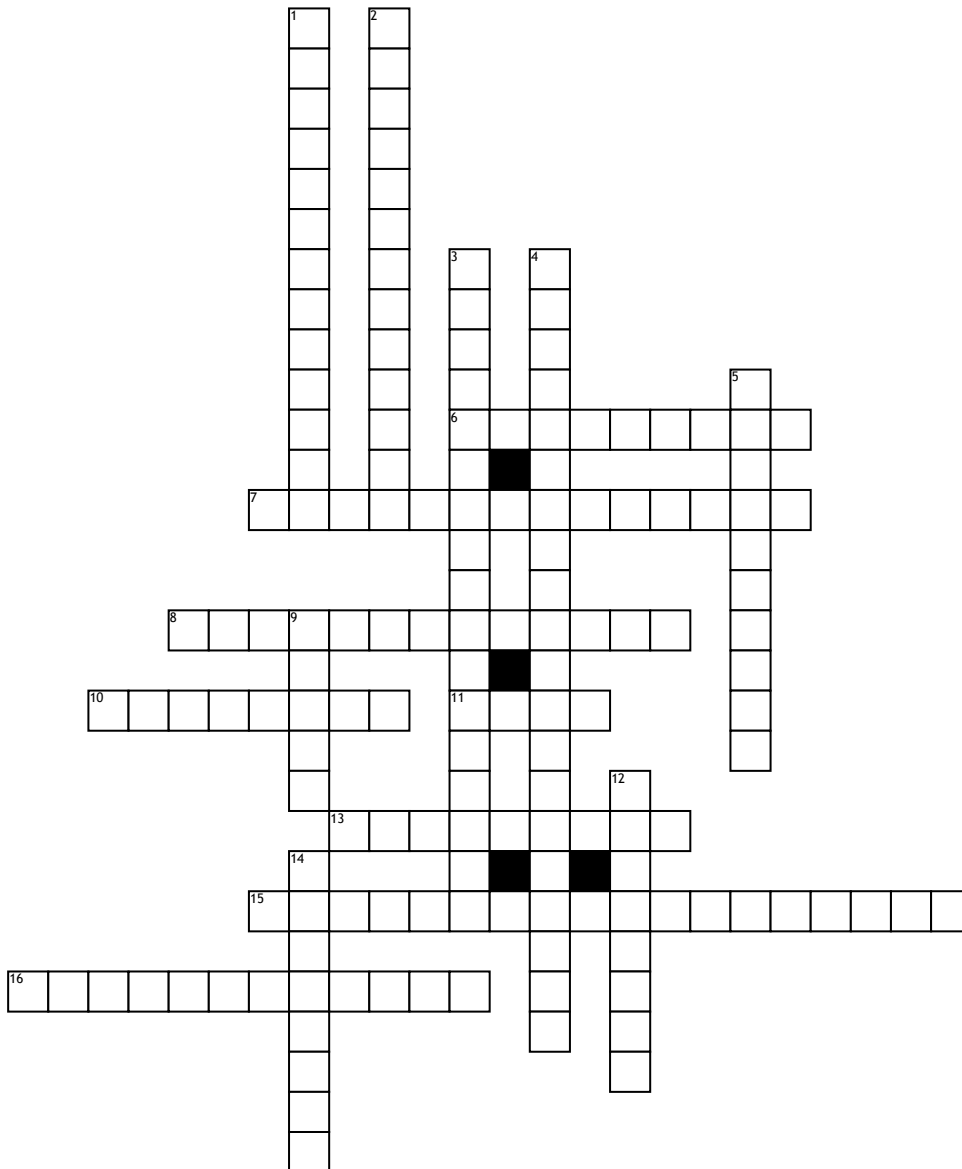


Chapter 10 Nervous System



Across

6. layer that protects the brain and spinal cord
 7. outer region of the cerebrum
 8. twelve pair of nerves that carry messages to and from the brain with regard to the head and neck
 10. largest part of the brain
 11. carries the nervous impulse along a nerve cell
 13. posterior portion of the brain that connects the cerebrum with the spinal cord

15. circulates throughout the brain and spinal cord

16. portion of brain beneath the thalamus; controls sleep, appetite, body temperature and secretions from the pituitary gland

Down

1. carries messages away from the brain and spinal cord
 2. neurotransmitter chemical released at ends of nerve cells
 3. protective separation between the blood and brain cells

4. the brain and the spinal cord

5. posterior part of the brain that coordinates muscle movements and maintains balance

9. Carry electrical messages all over the body

12. three protective membranes that surround the brain and spinal cord

14. part of a nerve cell that contains the nucleus