Chapter 35 Nervous System

Section Review 35-2

Reviewing Key Concepts

Short Answer *On the lines provided, answer the following questions.*

- 1. What role does the nervous system play in the functions of the body?
- 2. What are the sources of stimulation that start a nerve impulse?

Reviewing Key Skills

Sequencing On the lines provided, write the correct sequence of events (from 1 through 6) that occur during the transmission of a nerve impulse.

- **3.** Action potential continues to move along the axon.
 - **4.** Sodium gates open. Action potential occurs.
 - _____ 5. Neuron returns to rest.
 - _____ **6.** Neuron is stimulated by another neuron or stimulus from environment.
- **7.** As the action potential passes, the potassium gates open.
- ______ **8.** Neuron is at rest.

Interpreting Graphics *On the lines provided, identify the parts of a neuron.* Use the following terms: dendrites, axon, myelin sheath, nodes, cell body, nucleus, and axon terminals.

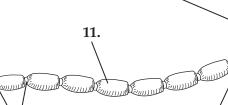
- 10. _____

- 14. _____

11.

10.





12.



13.

14.

