

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.*

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|-----------|-----------|
| 9. _____ | 10. _____ |
| 11. _____ | 12. _____ |
| 13. _____ | 14. _____ |
| 15. _____ | |

