

Section
Quiz**6-1****The Nervous
System: The
Basic Structure**

SCORE

Matching

Match each item in Column A with the items in Column B. Write the correct letters in the blanks.
(10 points each)

Column A

- E 1. nerves branching out from the spinal cord
- D 2. chemicals released by neurons, which determine the rate at which other neurons fire
- B 3. the brain and spinal cord
- A 4. the gap that exists between individual nerve cells
- C 5. long, thin cells of nerve tissue along which messages travel to and from the brain

Column B

- A. synapse
- B. central nervous system
- C. neurons
- D. neurotransmitters
- E. peripheral nervous system

Multiple Choice

Choose the item that best completes each statement or answers each question. Write the letter of that item in the blank to the left of the sentence. (10 points each)

- C 6. The part of the nervous system that controls voluntary activities is the
- A. central nervous system. C. somatic nervous system.
- B. autonomic nervous system. D. peripheral nervous system.
- D 7. Which of the following is NOT a part of the peripheral nervous system?
- A. the somatic nervous system C. nerves branching out from spinal cord
- B. the autonomic nervous system D. the brain
- B 8. The _____ insulates and protects the axon for some neurons.
- A. axon terminal C. cell body
- B. myelin sheath D. nucleus
- A 9. Also called motor neurons, the _____ send signals from the brain to the glands and muscles.
- A. efferent neurons C. interneurons
- B. afferent neurons D. neurotransmitters
- A 10. Which of the following is NOT a neurotransmitter?
- A. interneuron C. norepinephrine
- B. dopamine D. acetylcholine