

The Nervous System

Read each question and circle the correct answer.

1. What are the two main divisions of the nervous system called?

- A. the sympathetic and the parasympathetic
- B. the active nervous system and the inactive nervous system
- C. the central nervous system and the peripheral nervous system
- D. the large nervous system and the small nervous system

2. The nervous system consists of the _____.

- A. heart, brain and lungs
- B. spinal cord, nerves and brain
- C. arteries, veins and blood
- D. backbone and skull

3. What are neurons?

- A. rounded structures at the center of most cells that contain genetic material
- B. organs that control thought, movement, emotion and memory located above a spinal cord
- C. specialized cells that carry nerve impulses throughout the body
- D. cords of nervous tissue in the back, inside the backbone

4. What is the main difference between the central nervous system and the peripheral nervous system?

- A. The peripheral nervous system consists of nerves and neurons throughout the body. The central nervous system consists of the spinal cord and brain.
- B. The peripheral nervous system is only active when a person is sleeping. The central nervous system is active all the time.
- C. The peripheral nervous system controls involuntary actions. The central nervous system controls voluntary actions and reflexes.
- D. The central nervous system consists of the heart and lungs. The peripheral nervous system consists of the spinal cord and brain.

5. The autonomic nervous system _____.

- A. does not require the brain, spinal cord, nerves or neurons to function
- B. controls only reflex actions, like moving your hand away from a hot stove
- C. controls voluntary actions, like running and dancing
- D. regulates your body's internal processes, like your heartbeat

6. Eduardo felt something fluffy on the back of his leg and realized it was his dog Peaches. Which of the following describes how this happened?

- A. First, neurons carried a message from Eduardo's legs to his spinal cord. Then, his spinal cord sent it along to the brain to process. Lastly, his brain determined that it was the dog.
- B. First, neurons carried a message from Eduardo's legs to his spinal cord. Then, his spinal cord processed the information and determined that it was the dog.
- C. First, neurons carried a message from Eduardo's brain to his spinal cord. Then, his spinal cord sent it along to his legs to process. Lastly, his legs determined that it was the dog.
- D. A single neuron in Eduardo's leg traveled first to his brain, then to his spinal cord and lastly, back to his leg.

7. Eduardo decided to pet his dog. He reached out his arm. Which of the following describes how Eduardo's nervous system controlled this action?

- A. This was a reflex that the somatic nervous system controlled.
- B. This was a voluntary action that the somatic nervous system controlled.
- C. This was an involuntary action that the autonomic nervous system controlled.
- D. This action was not controlled by the nervous system.

8. Sarabeth does not realize that the stove is still hot. When she touches it accidentally, she pulls her hand away quickly. Which of the following describes how Sarabeth's nervous system controlled this action?

- A. This was a reflex that the somatic nervous system controlled.
- B. This was a voluntary action that the somatic nervous system controlled.
- C. This was an involuntary action that the autonomic nervous system controlled.
- D. This action was not controlled by the nervous system.

9. Which division of the nervous system is active when you cough?

- A. the somatic nervous system
- B. the somatic and autonomic nervous systems
- C. the autonomic nervous system
- D. This action is not controlled by his nervous system.

10. Malia reacts to something without a message reaching her brain. What must be true?

- A. This reaction was not controlled by the nervous system.
- B. This reaction was **only** controlled by the central nervous system.
- C. This reaction was not controlled by neurons.
- D. This reaction was a reflex.