

Neurons: The Messengers

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Understanding the Nervous System

Name: _____

Date: _____

Answer the following questions based on what you've learned about neurons and the nervous system.

1. What are the main parts of a neuron?

- A. Cell body, axon, dendrites
- B. Nucleus, mitochondria, ribosomes
- C. Muscle, bone, skin

2. Neurons transmit ____ and chemical signals throughout the body.

3. Neurons only communicate through chemical signals.

- True False

4. How do electrical signals travel through the nervous system?

5. What is one amazing aspect of God's design in the nervous system?

- A. Neurons can grow back instantly
- B. Neurons can send messages quickly
- C. Neurons do not need energy

6. The speed of nerve signals in the human body can be very ____.

7. Believers in Christ are compared to the many members of the body in 1 Corinthians 12:12.

- True False

8. How are neurons like messengers in our body?

9. What part of the neuron receives signals?

- A. Axon
- B. Dendrites
- C. Cell body

10. The body is one, and has many members, as stated in ____ 12:12.

Answer Key

1. Cell body, axon, dendrites 2. electrical 3. False 4. Electrical signals travel along the axon of a neuron to communicate with other neurons or muscles. 5. Neurons can send messages quickly 6. fast 7. True 8. Neurons act as messengers by sending and receiving signals that tell the body how to move and react. 9. Dendrites 10. 1 Corinthians