

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## NERVOUS SYSTEM SCIENCE WORKSHEET

Instructions: Choose the best answer for each question.

### 1. What is the main function of the nervous system?

- A) To transport blood throughout the body
  - B) To break down food for energy
  - C) To transmit signals between different parts of the body
  - D) To protect organs from damage
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### 2. What is the basic unit of the nervous system?

- A) Cell body
  - B) Neuron
  - C) Muscle fiber
  - D) Synapse
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### 3. Which part of the nervous system includes the brain and spinal cord?

- A) Central Nervous System (CNS)
  - B) Peripheral Nervous System (PNS)
  - C) Autonomic Nervous System
  - D) Somatic Nervous System
- 

### 4. What is the role of sensory neurons?

- A) To transmit signals from the brain to muscles
  - B) To detect changes in the environment and send information to the brain
  - C) To control reflex actions
  - D) To store memories
- 

### 5. Which part of the neuron carries electrical impulses away from the cell body?

- A) Dendrite
- B) Axon
- C) Synapse
- D) Nucleus

### 6. What are neurotransmitters?

- A) Electrical impulses sent by muscles
  - B) Chemicals that transmit signals across synapses
  - C) Protective coverings around nerves
  - D) Glands that regulate body functions
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### 7. The peripheral nervous system (PNS) consists of which of the following?

- A) The brain and spinal cord
  - B) Nerves that extend outside the brain and spinal cord
  - C) Only the spinal cord
  - D) Sensory organs
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### 8. Which part of the brain is responsible for controlling balance and coordination?

- A) Cerebrum
  - B) Cerebellum
  - C) Brainstem
  - D) Hypothalamus
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### 9. What is the role of motor neurons?

- A) To sense changes in the environment
  - B) To relay information from muscles to the brain
  - C) To carry signals from the brain and spinal cord to muscles and glands
  - D) To store information in the brain
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### 10. Which of the following best describes a reflex?

- A) A voluntary action controlled by the brain
  - B) A fast, automatic response to a stimulus that bypasses the brain
  - C) A slow, conscious movement
  - D) A signal sent from sensory neurons to muscles
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***Answer Key:***

1. C
2. B
3. A
4. B
5. B
6. B
7. B
8. B
9. C
10. B