

## Nervous System Quiz PDF

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**Which part of the nervous system includes the brain and spinal cord?**

- Peripheral Nervous System
- Central Nervous System
- Autonomic Nervous System
- Somatic Nervous System

**Which lobe of the brain is primarily responsible for visual processing?**

- Frontal Lobe
- Parietal Lobe
- Temporal Lobe
- Occipital Lobe

**What type of cells support and protect neurons?**

- Erythrocytes
- Leukocytes
- Neuroglia
- Platelets

**Which part of the brain controls basic life functions such as breathing and heart rate?**

- Cerebellum
- Brainstem
- Cerebrum
- Hippocampus

**What is the basic functional unit of the nervous system?**

- Axon
- Neuron

- Dendrite
- Synapse

**How does the structure of a neuron facilitate its function in the nervous system?**

**Discuss the differences between the sympathetic and parasympathetic nervous systems in terms of their effects on the body.**

**What is neuroplasticity, and why is it important for learning and memory?**

**Which of the following are parts of the Central Nervous System? (Select all that apply)**

- Brain
- Spinal Cord
- Peripheral Nerves
- Cranical Nerves

**What is the role of the spinal cord in the nervous system?**

- Transmit information to and from the brain
- Control voluntary movements
- Produce hormones
- Store memories

**Which of the following is NOT a function of the nervous system?**

- Sensory input
- Integration of data
- Blood circulation
- Control of muscles and glands

**Which of the following are symptoms of neurological disorders? (Select all that apply)**

- Paralysis
- Numbness
- Increased appetite
- Cognitive impairment

**Which brain structures are part of the limbic system? (Select all that apply)**

- Hippocampus
- Amygdala
- Thalamus
- Cerebellum

**Which structures are involved in the transmission of nerve impulses? (Select all that apply)**

- Axon
- Dendrite
- Synapse
- Myelin Sheath

**Which division of the autonomic nervous system is responsible for the 'fight or flight' response?**

- Somatic Nervous System
- Sympathetic Nervous System
- Parasympathetic Nervous System

Central Nervous System

**Which of the following are functions of the autonomic nervous system? (Select all that apply)**

- Regulating heart rate
- Controlling voluntary muscle movements
- Managing digestive processes
- Adjusting pupil size

**Explain the role of neurotransmitters in synaptic transmission.**

**Which cells are types of neuroglia? (Select all that apply)**

- Astrocytes
- Oligodendrocytes
- Schwann Cells
- Erythrocytes

**Identify and explain the protective structures of the brain and their significance.**

**Describe the process of an action potential and how it propagates along a neuron.**

