

NERVOUS SYSTEM

OBJECTIVES:

1. Describe the basic structure and function of the nervous system.
2. Describe the structure of a neuron and explain how it operates. (Diagram)
3. List the parts and discuss the function of the Central Nervous System (CNS). Discuss the structure and control centers of the brain.
4. Describe the Peripheral Nervous System (PNS), including the Autonomic branch (involuntary) and the Somatic branch (voluntary). In your discussion of the Autonomic system, distinguish between the Sympathetic branch and the Parasympathetic branch.
5. Explain how a nerve impulse travels.
6. Explain what occurs during the reflex arc. (Diagram)

VOCABULARY TO USE IN NEWSLETTER:

Central Nervous System, Peripheral Nervous System, Autonomic Nervous System, Sympathetic Nervous System, Parasympathetic Nervous System, ganglia, neuron, dendrite, cell body, axon, mixed nerve, sensory nerve, motor nerve, resting potential, action potential, nerve impulse, sodium-potassium pump, synapse, neurotransmitter, acetylcholine, stimulus, response, reflex, brain, cerebrum, cerebellum, medulla oblongata, spinal cord, meninges