

Name: _____

Nervous System: Facts, Functions & Diseases

1. The nervous system is a complex connection of _____ and specialized cells known as _____ that transmit signals throughout the body.
2. There are two components of the nervous system:
 - a. The _____ nervous system-made up of the brain, _____, and nerves
 - b. The _____ nervous system-consists of _____ neurons, ganglia, and nerves that connect the entire system
3. The nervous system has two main functions
 - a. Somatic, or _____ component-works to move muscles and sensory receptors in the skin
 - b. Autonomic, or _____ component-regulates certain body processes such as blood pressure and _____
4. Neurons send signals to other cells through thin fibers called _____ which cause chemicals known as _____ to be released at the synapses of two neurons.
5. Sensory neurons react to physical _____ such as light and sound and send feedback to the _____ nervous system about your surrounding environment.
6. _____ neurons in the central nervous system transmit signals to activate _____ or glands.
7. Describe two procedures used to diagnose nervous system conditions:
 - a.
 - b.
8. Give a brief description of the following diseases of the nervous system:

- a. Epilepsy-
- b. Parkinson's disease-
- c. Alzheimer's disease-
- d. Stroke-

9. Infections such as _____, encephalitis, and polio can also affect the nervous system.
10. The branch of medicine that studies and treats the nervous system is called _____ and doctors in the field are called _____.