

# **TEST YOURSELF!**

**1st** - read the definitions and think about the words, then check with the key

**2nd** - study the words & definitions

**3rd** - look at the individual words and try to remember the definitions

## NERVOUS SYSTEM – WORDS TO KNOW

- \_\_\_\_\_ Weblike middle layer of the three meninges covering the brain and spinal cord.
- \_\_\_\_\_ Part of the peripheral nervous system that controls involuntary actions, such as the heartbeat, gland secretions, and digestion.
- \_\_\_\_\_ Taillike projection extending out a neuron that carries impulses away from the cell body.
- \_\_\_\_\_ Paired masses of gray matter within the white matter of the cerebrum that help coordinate subconscious skeletal muscular movement.
- \_\_\_\_\_ Central controlling and coordinating organ of the nervous system.
- \_\_\_\_\_ Part of the nervous system consisting of the brain and spinal cord.
- \_\_\_\_\_ Outermost layer of the cerebrum made entirely of gray matter.
- \_\_\_\_\_ Largest part of the brain, involved with conscious perception, voluntary actions, memory, thought, and personality.
- \_\_\_\_\_ Large band of neurons connecting the two cerebral hemispheres.
- \_\_\_\_\_ Branchlike extensions of neurons that carry impulses toward the cell body.
- \_\_\_\_\_ Rear part of the forebrain that connects the midbrain to the cerebrum and that contains the thalamus and hypothalamus.
- \_\_\_\_\_ Outermost and toughest of the three meninges covering the brain and spinal cord.
- \_\_\_\_\_ Any collection of nerve cell bodies forming a nerve center in the peripheral nervous system.
- \_\_\_\_\_ Grayish nerve tissue of the central nervous system containing neuron cell bodies, neuroglia, and unmyelinated axons.
- \_\_\_\_\_ Outward folds on the surface of the cerebral cortex.
- \_\_\_\_\_ Region of the brain containing many control centers for body functions and emotions; also regulates the pituitary gland's secretions.
- \_\_\_\_\_ Part of the brain located at the top end of the spinal cord that controls breathing and other involuntary functions.
- \_\_\_\_\_ Membranes that cover the brain and spinal cord.
- \_\_\_\_\_ Part of the brain between the hypothalamus and the pons that regulates visual, auditory, and rightening reflexes.
- \_\_\_\_\_ Soft, white, fatty material that forms a sheath around the axons of most neurons.
- \_\_\_\_\_ Bundle of axons in the peripheral nervous system.
- \_\_\_\_\_ Also known as glial cells, cells that support and protect neurons in the central nervous system.
- \_\_\_\_\_ Nerve cell.
- \_\_\_\_\_ Chemical released by the axon of a neuron that travels across a synapse and binds to receptors on the dendrites of other neurons or body cells.
- \_\_\_\_\_ Small area between Schwann cells on an axon that is unmyelinated or uncovered.
- \_\_\_\_\_ Part of the nervous system consisting of the cranial and spinal nerves.
- \_\_\_\_\_ Delicate innermost layer of the three meninges covering the brain and spinal cord.
- \_\_\_\_\_ Part of the brain connecting the medulla oblongata with the midbrain.
- \_\_\_\_\_ Involuntary and rapid response to a stimulus.
- \_\_\_\_\_ Cell that forms the myelin sheath around axons of neurons in the peripheral nervous system.
- \_\_\_\_\_ Long cord of nerve tissue running through the spine or backbone that transmits impulses to and from the brain and controls some reflex actions.
- \_\_\_\_\_ Small space or gap where a nerve impulse passes between the axon of one neuron and a dendrite of the next neuron.
- \_\_\_\_\_ Part of the brain behind the hypothalamus that acts as the brain's main relay station, sending information to the cerebral cortex and other parts of the brain.
- \_\_\_\_\_ Whitish nerve tissue of the central nervous system containing bundles of myelinated axons.

## **NERVOUS SYSTEM – WORDS TO KNOW**

**Arachnoid**

**Autonomic nervous system**

**Axon**

**Basal ganglia**

**Brain**

**Central nervous system:**

**Cerebral cortex**

**Cerebrum**

**Corpus callosum**

**Dendrites**

**Diencephalon / Interbrain**

**Dura mater**

**Ganglion**

**Gray matter**

**Gyri**

**Hypothalamus**

**Medulla oblongata**

**Meninges**

**Midbrain**

**Myelin**

**Nerve**

**Neuroglia**

**Neuron**

**Neurotransmitter**

**Node of Ranvier**

**Peripheral nervous system**

**Pia mater**

**Pons**

**Reflex**

**Schwann cell**

**Spinal cord**

**Synapse**

**Thalamus**

**White matter**