**NERVOUS SYSTEM**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the Nervous System**

* The nervous system \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_information from \_\_\_\_\_\_\_\_\_\_\_\_\_\_ your body and from the world \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ your body.
* The nervous system responds to that information as needed.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Nervous System (CNS)**

* Consists of your \_\_\_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Processes and responds to \_\_\_\_\_\_\_\_\_ messages coming from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nervous system.
* **The Brain**
* Cerebrum, Cerebellum, Medulla
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ actions are processes that the brain controls that happen automatically.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ actions are processes that the brain controls that must be processed.
* **The Spinal Cord**
* The nerve fibers in your spinal cord allow your brain to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with your peripheral nervous system

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Nervous System (PNS)**

* \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ of the nervous system except the brain and spinal cord.
* Uses nerves to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ between your body and your CNS.

**Neuron**

* A nerve cell that is specialized to transfer electrical messages, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, throughout the body.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ neurons: gather information about what is happening in and around your body.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_ neurons: send impulses from the brain and spinal cord to other systems.

**Somatic vs. Autonomic Nervous System**

* Both part of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_nervous system is under your conscious control.
* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nervous system does not need your conscious control.

**Autonomic Nervous System**

* Works to keep your internal environment stable (homeostasis).
* Controls body functions such as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.