

Review/Warm Up:

- 1.) Name the 5 types of joints found in the skeletal system.
- 2.) What is the difference between arteries and veins?
- 3.) What is the path of digestion?
- 4.) What is homeostasis?
- 5.) What effect does high blood pressure have on your heart?

[Get ready to take your Human Body Post Test](#)

Warm-Up

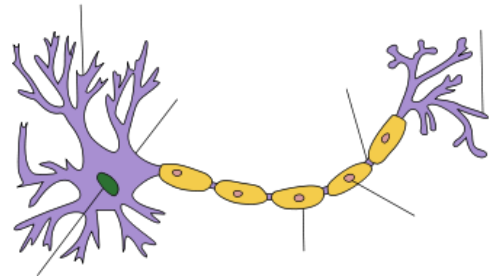
1. What is the purpose of the nervous system?
2. What is the basic unit for the nervous system?

Neuron

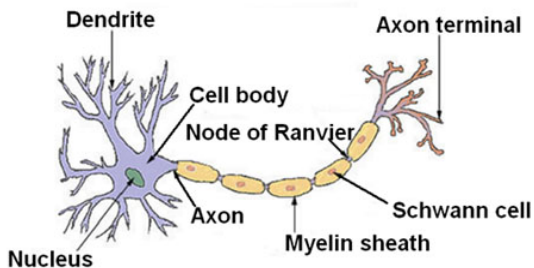
a cell, usually consisting of a cell body, axon, and dendrites, that transmits nerve impulses and is the basic functional unit of the nervous system.



NEURON



Structure of a Typical Neuron



CNS

Central Nervous System

Consists of the brain and spinal cord

PNS

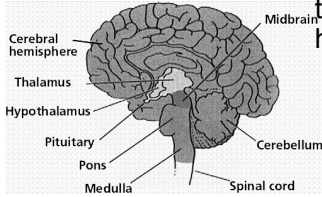
Peripheral nervous system

Everything related to the nervous system besides the brain and the spinal cord

Brain

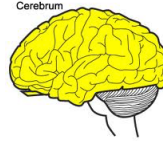
- Part of the CNS
- Control center for the body
- There are regions with specific functions.
- Ex: Cerebrum is the largest and broken into the right and left hemispheres.

The Brain



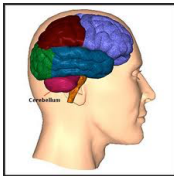
Cerebrum

- Involved in all conscious functioning of the body.
- Ex: interpreting what is seen, heard, tasted, smelt, touched, or remembered.
- Involved in sensory detection and motor control of the skeletal muscles.



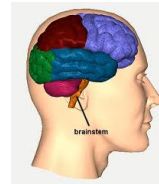
Cerebellum

- Second largest portion of the brain
- Its functions include fine motor coordination and body movement, posture and balance.



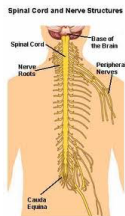
Brain Stem

Consists of the medulla oblongata, pons, and midbrain. Controls heart rate, constriction of blood vessels, digestion and respiration



Spinal Cord

- Bundle of interneurons that are surrounded by the vertebral column and extends from the brain to the hips.
- Paired sensory and motor nerves extend from the spinal cord to each vertebra.
- The spinal cord provides the connection between the brain and your extremities (arms and legs).
- Also associated with reflex actions.



Warm-Up

1. What might happen if you were to have an accident that caused injury to the head?
2. What is a concussion?
3. Is it possible to live with half a brain?