

THE NERVOUS SYSTEM

Functions of the Nervous System

The nervous system coordinates all of the activities in your body, from breathing to digesting food or sensing pain or feeling of fear.

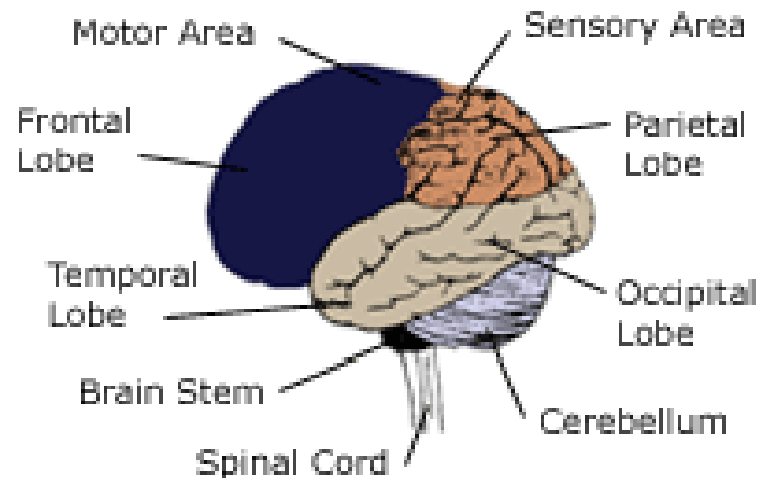
Vocabulary

Cerebrum- is the largest and most complex part of the brain, its covered with a thin layer of gray matter

Cerebellum- is the second largest part of the brain and coordinates movement

Brain Stem- is a three inch stalk of nerve cells and fibers that connects to spinal cord to the rest of the brain

Brain from side (left)



The Organs of the Nervous System

Purpose: to coordinate the body's response to changes in its internal and external environment

Major Organs and Their Functions

Brain – control center of the body, where all processes are relayed through

-- consists of cerebrum (controls thought and senses) and cerebellum (controls motor functions)

Spinal Cord – sends instructions from the brain to the rest of the body and vice versa

-- any organism with a major nerve cord is classified as a **chordate**

Nerves – conduct impulses to muscle cells throughout the body

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