

Nervous System

nervous system - controls and coordinates your body's activities and helps you sense and respond to changes in your environment

central nervous system - made up of your brain and spinal cord.

Cerebrum - control center of your thoughts and voluntary actions

Hemispheres - 2 halves of cerebrum

- left - language and logical thinking
- right - imagination and creativity

Brain Stem - base of your brain
controls breathing, beating of your heart, and digestion

Cerebellum - helps with balance and coordination

Spinal Cord - a bundle of nerves that goes from the brain stem down the center of your back.

Reflexes - responses of the nervous system that are directed by the spinal cord.

Neurons - nerve cells

axon - a long arm branching off of
nerve cells

- impulse travels down

Dendrites - short extension of the nerve
cell body that receives stimuli from
the axons

Sense organs - takes in information from
the environment

- sight
- hearing
- smell
- taste
- touch

Immune System

Pathogens - microscopic invaders to the body
ex. bacteria, viruses, and fungi

White blood cells - Part of the blood that attacks pathogens

Macrophage - type of white blood cell surrounds and engulfs pathogens

Antigens - Alert other white blood cells
Part of the pathogen remains

Antibodies - bind to pathogens and help destroy them.

Lymph Nodes - locations where pathogens are removed

- as blood passes these tissues, white blood cells filter the pathogens out