

Levels of Organization

- 1) Cells - structure + function of all living things.
- 2) Tissues - group of cells (of the same kind)
- 3) Organs - A structure composed of tissues, they perform a specific function.
- 4) Organ System - Group of organs that come together to perform a specific function.
Ex: Digestive system: Small intestines, large intestines, stomach.
- 5) Organism - Individual living thing that is made up of one or more body syst.

Human Body Systems

Respiratory - Receive oxygen, & release carbon dioxide (gas exchange) : Lungs, Diaphragm (muscle), trachea, bronchioles, Nose, Bronchi, aveoli.


Endocrine - Hormone production to regulate body systems. : Thyroid glands, Adrenal glands, Pancreas

Circulatory - Transports oxygen, Nutrients (plasma) throughout the body. : Heart, veins, arteries, capillaries, Arterioles.

Lymphatic - Multi-functional : Produces white blood cells, absorption of proteins, Homeostasis of fluids. : Lymph Nodes, Bone marrow, Thymus gland, spleen.

Integumentary - Protection : Skin, hair, nails

Digestive - Breaks down food supply to the body w/ nutrients through blood. : Mouth, esophagus, stomach, rectum, anus, large/small intestine.

Nervous - Controls the Body : Brain, spinal chord, Nerves 

Immune - Defense against foreign invaders : Skin, Enzymes, white blood cells

Muscular - Provides movement : Muscles of skeleton, cardiac, + smooth muscles.

Skeletal - Framework for Body + protect vital organs. : Clavicle, Femur, Humerous, Skull, spine, phalanges.

Excretory - Excretion of waste Products : Bladder, kidney, ureter.

Reproductive - Reproduction : Ovaries, testicles, uterus