

Ecology

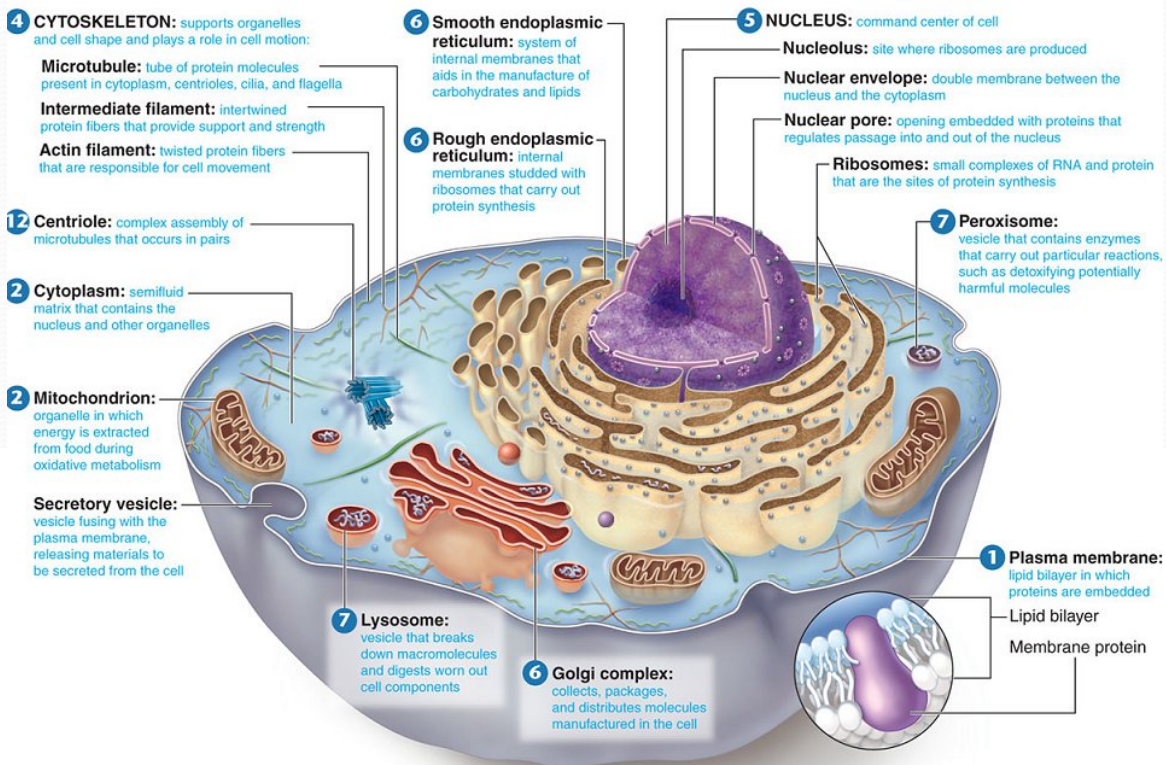
Ecology is the scientific study of interactions among organisms and between organisms and their environment or surroundings.

Organizaon of Life

The levels of organization in a multicellular organism are individual **cells, tissues, organs and organ systems..**

cell - the basic unit of all forms of life.

EXAMPLE: Animal Cell



tissue - group of similar cells that performs a particular function.
 - four main types: muscle, epithelial, nervous and connective

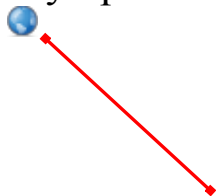
- 1) *muscle tissue* - enables the body to move.
- 2) *epithelial tissue* - cover interior and exterior body surfaces.
- 3) *nervous* - transmits nerve impulses throughout the body.
- 4) *connective* - provides support for the body and connects its parts.

organ - a group of different types of tissues that work together to perform a single function.

ex: The eye is made up of epithelial tissue, nervous tissue, muscle tissue and connective tissue.

organ system- a group of organs that perform closely related functions.
 - the human body has eleven organ systems...

- nervous system
- integumentary system
- respiratory system
- digestive system
- excretory system
- skeletal system
- muscular system
- circulatory system
- endocrine system
- reproductive system
- lymphatic/immune system

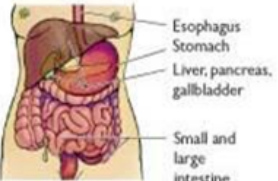
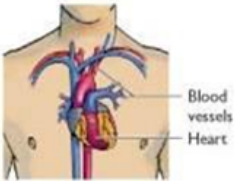
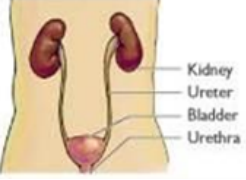
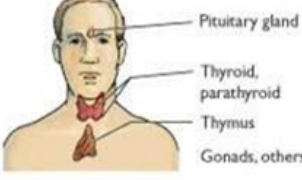
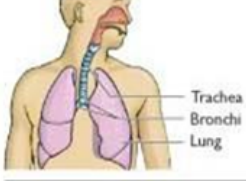
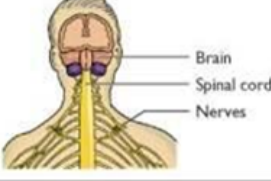
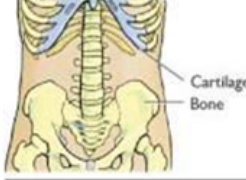
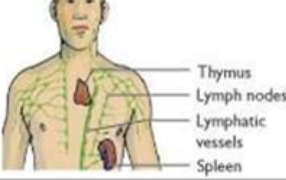

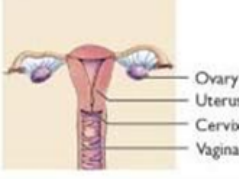

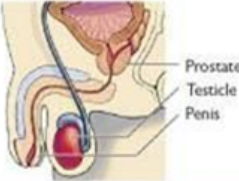


Check out PowerPoint review



KNOW the NAME and it's FUNCTION...

TABLE 5.1 | Organs and Functions of the Human Organ Systems

Organ System	Function	Organ System	Function
Digestive 	Ingests and breaks down food so that it can be absorbed by the body Chapter 7	Cardiovascular 	Enables the transport of nutrients, gases, hormones, and wastes to and from cells of the body Chapter 9
Urinary 	Eliminates liquid wastes; regulates water balance Chapter 11	Endocrine 	Secretes hormones into bloodstream for regulation of body activities Chapter 16
Respiratory 	Enables gas exchange, supplying blood with oxygen and removing carbon dioxide Chapter 10	Nervous 	Senses environment; communicates with and activates other parts of the body Chapters 14 and 15
Skeletal 	Provides mechanical support for the body; stores minerals; produces red blood cells Chapter 6	Lymphatic and Immune 	Protects against infections Chapter 12
Muscular 	Enables movement, posture, and balance via contraction and extension of muscles Chapter 6	Reproductive—Female 	Produces eggs and supports the development of offspring Chapter 18
Integumentary 	Protects body from environment, injury, and infection; stores fat Chapter 6	Reproductive—Male 	Produces and delivers sperm and associated fluids Chapter 18

Inside the Human Body
National Geographic
(Nine Parts: 1 to Middle of 5)



We watched up to part 2.