



Levels of Organization and Body Systems

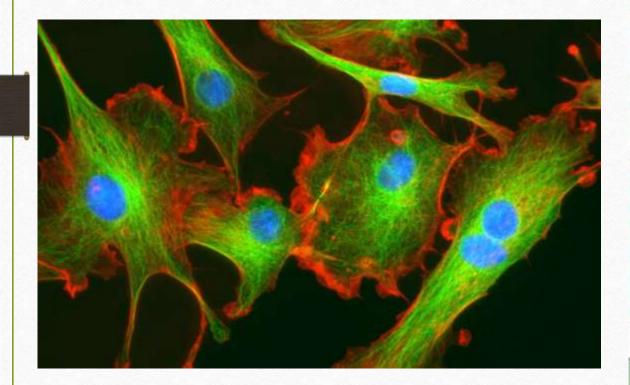
Levels of Organization: the order of organization in an organism from smallest to largest

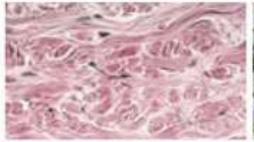
- Cells
- Tissues
- Organs
- Organ Systems
- Organism

• Cells: the smallest unit of life.



Tissues: a group of cells working together to preform a specific function





CONNECTIVE TISSUE





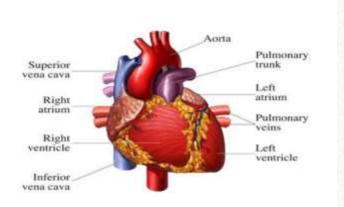
MUSCLE TISSUE



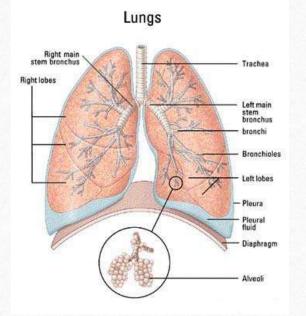
NERVOUS TISSUE

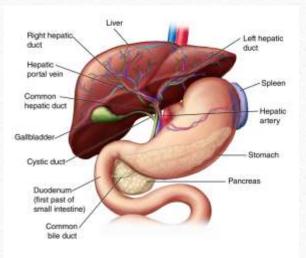
tep 1 Four main types of tissues found in humans

Organs: a group of tissues working to perform a function. Example: heart, liver, lung, stomach

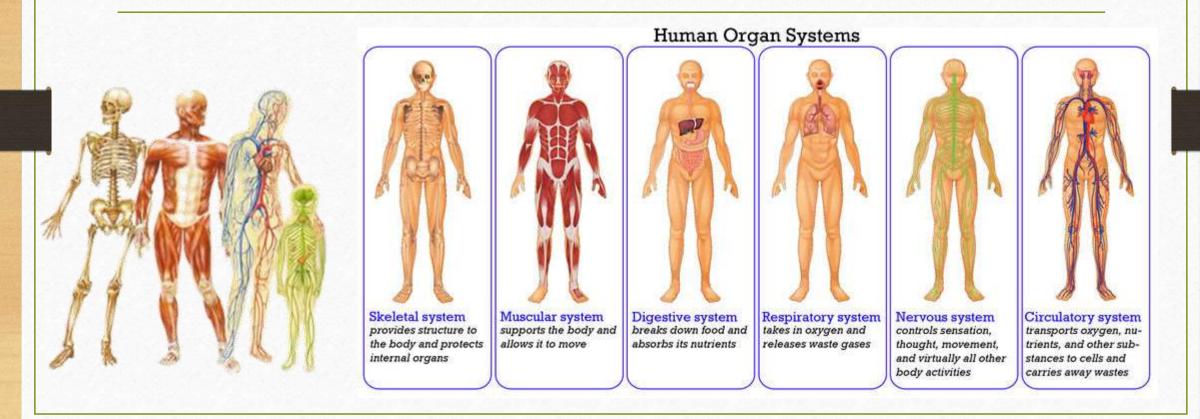


Human Heart





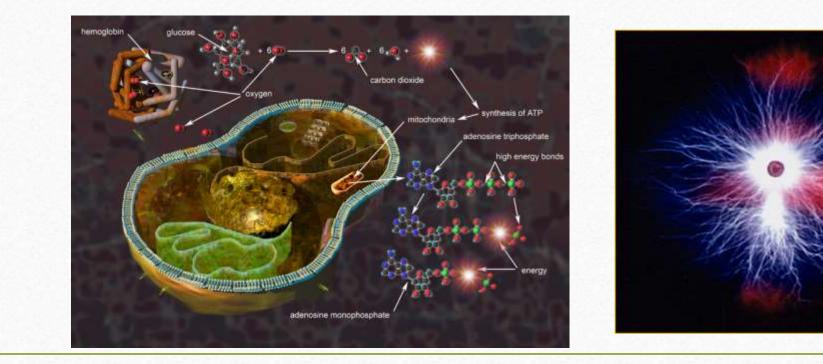
Systems: a group of organs working together to perform a specific function



Organism: a group of systems working together to sustain life and maintain homeostasis.



Metabolism The sum of all the activities that occur in a living cell is called metabolism.



Respiration

• In aerobic respiration, energy is released from breaking down food with the help of oxygen.

