**Body Organization Notes**

Cell=Tissue=Organ=Organ System=Organism

**Cell –**

* Smallest unit of life
* Some cells are specialized to perform certain functions
* Examples: nerve cells(neurons), blood cells, and bone cells

**Tissue –**

* Group of cells that work together to perform the same function
* Types of tissues:
  + nerve tissue – carries impulses between the brain and body
  + muscle tissue – contracts and shortens to produce movement
    - cardiac (heart)
    - smooth (intestines)
    - skeletal (attaches to bones)
  + epithelial tissue – covers the surfaces of the body
    - inside as a lining and/or covering of internal organs
    - outside as a layer of skin
  + connective tissue –
    - connects parts of the body and provides support
    - examples:
      * tendon
      * ligament
      * cartilage

**Organ –**

* Group of two or more types of tissue that work together to perform a specific function
* Examples: heart, skin, lungs, kidneys

**Organ System –**

* Group of two or more organs that work together to perform a specific function
* Each organ has its own function, but the systems work together and depend on one another
* Examples: circulatory, immune, nervous, skeletal