**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