Fall Science Midterm Exam Review Sheet

**Scientific Method/Experimental Design**

* Know the steps of the scientific method and the variables used in a scientific investigation.

**Cells/The Cell Theory/Characteristics of Life**

* Know the difference between eukaryotic and prokaryotic cells.
* Know the characteristics of living things and the 3 parts of the cell theory.
* Know the functions of the major organelles in animal and plant cells and the difference between animal and plant cells.

**Body Systems (Skeletal, Muscular, Integumentary, Digestive, Excretory, Circulatory, Respiratory, Nervous, Endocrine)**

* Know the key terms in each of the textbook chapters for each body system.
* Know the levels of organization and be able to give examples of each.
* Know the **function of each body system** AND be able to **explain how the system works**.
* Know and be able to identify the major organs and/or tissue for each system and the function of each. Be able to **explain what would happen if a part were removed**.
* Be able to give examples of how each system helps maintain homeostasis.

**Additional Info:**

* Know the path of blood into, through and out of the heart. Know the components of the blood and their purpose.
* Know the major glands of the endocrine system and the function of the hormones they produce.