**Review Sheet for Characteristics of Life, Scientific Process, and Systems**

**Characteristics of Life**

Know the 8 characteristics of life and how to apply this knowledge

1. Cellular organization
2. Uses energy

Metabolism

Nutrition, transport, respiration, synthesis, excretion, homeostasis

1. Responds to stimuli
2. DNA
3. Evolves
4. Reproduction
5. Development
6. System of Related Parts

**Scientific Process**

Know the steps to the scientific process and know how to pick out the parts in an experiment

1. Problem statement
2. Hypothesis
3. Variables
   1. Manipulated
   2. Responding
   3. Controlled
4. Groups
   1. Experimental
   2. Control
5. Procedure
6. Materials
7. Data Collection
8. Analysis
9. Conclusion

Systems

Know the definition of a system and be able to justify why an object is a system, or why an object is not a system

Parts that make up a whole

Has inputs and outputs

Has a boundary