Scientific Method, Characteristics of Life Study Guide

1. Analyze an experiment, for example the apple juice lab.
2. What is an IV and DV and be able to determine an example in an experiment?
3. Identify a problem statement and hypothesis.
4. What needs to be controlled in a valid experiment?
5. What is a control group?
6. Identify Variable held constant and why must they be constant?
7. Be able to create and read graphs.
8. Be able to give examples of the following characteristics of life:
   1. Growth, Reproduction
   2. Respond to stimuli
   3. Homeostasis
   4. Adaptation
   5. Obtaining food for nutrients and energy
   6. respiration
9. Place the following in the correct order and what do they mean:
   1. Cell
   2. Organ
   3. Tissue
   4. Population
   5. biosphere
   6. Community
   7. Organ system
   8. Ecosystem
   9. Organism
10. What is the difference between biotic and abiotic and give an example?