**Cell Processes Study Guide**

**Words To Know:**

Homeostasis, photosynthesis, cellular respiration, mitosis, passive transport, diffusion, osmosis, active transport, endocytosis, exocytosis, photosynthesis, chlorophyll, cellular respiration

**Main Idea Concepts to Know:**

1. Why do all organisms depend on producers?
2. Understand the processes of diffusion, active and passive transport and why osmosis is unique.
3. What is the major source of energy for all life?
4. Compare and contrast photosynthesis and cellular respiration. Include formulas, organelles, organisms, and all ingredients and products involved in each.
5. Which form of energy is released from the process of food being broken down?
6. Describe the cell cycle from beginning to end with great detail.
7. Describe mitosis and what types of cells go through this process.