**Biology Vocab Unit 3 Study Guide**

**Cell Wall** – Plant-only organelle that supports the cell

**Chloroplast** – Plant-only organelle that converts sunlight into food

**Concentration Gradient** – Having different concentrations in different areas (usually on either side of a cell membrane)

**Diffusion** – Movement of particles from low to high concentration

**Dynamic Equilibrium** – No net movement of particles between areas because particles are equally spread out

**Endosymbiont Theory** – Idea that mitochondria and chloroplasts were once free-living organisms

**Mitochondria** – Energy-generating organelle

**Nucleus** – Cell organelle that contains the DNA and uses it to control the cell

**Osmosis** – Movement of water across a membrane

**Plasma Membrane** (Cell Membrane) – Organelle that monitors and controls what gets in and out

**Primordial Soup** – Oparin’s idea that the building blocks of life (amino acids) existed before life did

**Ribosome** – Cell organelle where proteins are made

**Selectively Permeable** – Membranes that only allow some substances to pass through them

**Vacuole** – Storage organelle

**Review Words**

Enzyme

Catalyst

Organic Molecule

Amino Acid

Examples of lipids