Study Guide for Final – Accelerated Biology

What is a living thing? – Characteristics of Living things.

How are living things classified? (Domain, kingdom…)

Prokaryotic vs Eukaryotic cells

Organic Chemistry: 4 classes of organic compounds

Properties of water, pH, osmosis and diffusion

 Cell membranes and homeostasis

Cells and cell Parts

Energy and Enzymes: Photosynthesis and Respiration

 Aerobic vs Anaerobic (Fermentation) respiration

Cell Cycle and Cancer

Mitosis vs Meiosis

Heredity: Mono vs Dihybrid Crosses –

 Punnett Squares

 Pedigree

Viruses and Bacteria – Read this Chapter

 Lytic vs Lysogenic Cycle

 Contagious vs noncontagious condition such as cancer or hereditary disease