

Unit 4 – Ch. 8 Cellular Energy (pgs 216-236)

- Identify the laws of thermodynamics.
- Identify the ultimate source of energy for living things.
- Describe the structure of ATP and why ATP is important to organisms.
- Identify where energy is stored in the ATP molecule.
- Summarize the process of photosynthesis (light dependent and light independent/Calvin).
- Summarize the process of cellular respiration (Glycolysis, Krebs, & Electron Transport).
- Identify the reactants and products of photosynthesis and cellular respiration.
- Write the chemical reactions for photosynthesis and cellular respiration.
- Explain how organisms obtain and use energy.
- Identify cell structures involved in photosynthesis and cellular respiration.
- Summarize fermentation.
- Compare alcoholic fermentation and lactic acid fermentation.