**Biology Study Guide**

**Chapter 8 – Photosynthesis**

* **Vocabulary**
	+ Adenosine tri phosphate (ATP)
	+ Heterotroph
	+ Autotroph
	+ Photosynthesis
	+ Pigment
	+ Chlorophyll
	+ Thylakoid
	+ Stroma
	+ NADP+
	+ Light-dependent reactions
	+ Light-independent reactions
	+ Calvin cycle
* **Objectives**
	+ Describe the role of ATP in cellular activities.
	+ Differentiate between autotrophs and heterotrophs.
	+ Explain where plants get the energy they need to produce food.
	+ Explain the role of light and pigments in photosynthesis
	+ Explain the role of electron carrier molecules in photosynthesis.
	+ State the overall equation for photosynthesis.
	+ Describe what happens during the light-dependent reactions.
	+ Describe what happens during the light-independent reactions.
	+ Identify factors that affect the rate at which photosynthesis occurs.