

# Photosynthesis Chapter 8 Read Along

## Photosynthesis Key Vocabulary

Term/Concept	Explain it....
Autotrophs	
Heterotrophs	
Adenosine Triphosphate (ATP)	
Photosynthesis	
Pigments	
Chlorophyll	
Thylakoids	
Photosystems	
Stroma	
NADP+	
Light Dependent Reactions	
ATP Synthase	

**Directions:** Sketch the following chemical compounds. Use a yellow highlighter to highlight the entire box of the compound that has energy stored. Do not highlight the compound that does not have energy.

adenosine diphosphate (ADP)	adenosine triphosphate (ATP)

**The Photosynthesis Equation.** Copy the chemical equation for photosynthesis on page 206. There should be 2 equations, one with compound formulas and one version written out in words.

# Photosynthesis Chapter 8 Read Along

<b>FIGURE 8-4:</b> Copy figure 8-4 on page 206. You should use 3 colors as done in the textbook.	<b>Chemical Equation Basics.</b> Discuss the reactants used and the products formed during photosynthesis.
	<b>Reactants</b>
	<b>Products</b>

**Figure 8-11:** Copy and label the calving cycle on page 212. There are 2 parts to this diagram. the circular flow chart itself with the purple arrows and all the carbon molecules, ATP, ADP, NADP+ and NADPH and there is the description in blue labeled A, B, C, D. you should include ALL PARTS.

**Chapter 8 Assessment:** Go to page 217 in the textbook. Answer the following questions on a separate sheet of paper and staple to this document....

- 1-10
- 13-14

- 16-18
- 19

- 22-23