

## Photosynthesis

Name \_\_\_\_\_ Per \_\_\_\_\_

*Read Section 8.2, pp. 222 - 227 and answer the following questions.*

1. What is the main idea of this section?
  
2. Write down the chemical equation for photosynthesis.
  
3. Carefully read the Overview of Photosynthesis on pg. 222.
  - a. What are the two phases of photosynthesis (also see blue headings on 223 and 226)?
  
  - b. What are the two products of the first phase?
  
  - c. What is the product of the second phase?
  
  - d. What three other organic compounds also come from the end products of photosynthesis?
  
4. Which plant organelle captures light for photosynthesis and where are these organelles typically found?
  
5. Name the three main parts of a chloroplast, describe what each is like, and describe what happens in each part.
  
6. Hypothesize the effect of light absorption if a plant did not have chlorophyll *b*. See Figure 8.6.

