

**Name:**  
**Block:**  
**Date:**

### Photosynthesis Worksheet

Instructions: Using a biology textbook, answer the following questions to help you understand the importance of photosynthesis to supporting life.

1. Define “photosynthesis” in a way that makes sense to you.
2. Explain the overall purpose of photosynthesis in a way that makes sense to you.
3. Describe the importance of photosynthesis by using the terms “producers” and “autotrophs”. **Be sure to explain what each of those terms mean in your answer!**
4. Contrast the way energy is produced by “photosynthetic organisms” with the way energy is produced by “chemosynthetic organisms”.
5. Write the overall equation of photosynthesis, and clearly identify the reactants and the products.
6. Define “chloroplast”, explain the importance of chloroplasts to photosynthesis, identify where chloroplasts are found within a leaf.