

**Chapter 15****REINFORCEMENT**

Use with Section 1

# ● Photosynthesis and Respiration

Answer the following questions using information from the textbook.

1. a. What causes the stomata on leaves to open? \_\_\_\_\_  
\_\_\_\_\_
- b. When are the stomata usually open? \_\_\_\_\_
- c. What happens when stomata open? \_\_\_\_\_  
\_\_\_\_\_
2. Why do plants need a lot of water? \_\_\_\_\_  
\_\_\_\_\_
3. Write the chemical equation for photosynthesis. Label the chemical compounds.
4. How do we depend on photosynthesis? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. What is respiration? \_\_\_\_\_  
\_\_\_\_\_
6. Write the chemical equation for aerobic respiration. Label the chemical compounds.

Label the following diagram of an opening in a leaf. Label the arrows to show the movement of water vapor, carbon dioxide, and oxygen. Label the guard cells and the stoma.

