

Chapter 9**REINFORCEMENT**

Use with Section 1

• Photosynthesis and Respiration

Answer the following questions using information from the textbook.

- 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.

