

Chapter 3

Use with Section 3

REINFORCEMENT**● Energy in Cells***Answer the following questions.*

1. How do producers make their own food? _____
2. Fill in the following equation for photosynthesis.
 _____ + water + carbon dioxide + chlorophyll \longrightarrow _____
 _____ + _____
3. What are the end products of respiration? _____
4. What is a food chain? _____

5. How does yeast cause bread to rise? _____

6. How do your muscles continue to get energy during high levels of activity when there is not enough oxygen? _____

Write the letter of the term that correctly answers each question or best completes each statement.

- _____ 1. What process occurs in the mitochondria?
 a. fermentation b. photosynthesis c. respiration d. metabolism
- _____ 2. The green pigment in plants that traps light energy from the sun is called _____.
 a. glucose b. chlorophyll c. oxygen d. water
- _____ 3. During photosynthesis, plants produce glucose and release _____.
 a. carbon dioxide b. energy c. oxygen d. water
- _____ 4. The energy used by all living things starts with _____.
 a. producers b. consumers c. respiration d. sunlight
- _____ 5. During respiration some energy is released as _____.
 a. chemical energy b. radiant energy c. heat d. carbon dioxide
- _____ 6. Fermentation releases energy without using _____.
 a. oxygen b. glucose c. energy d. carbon dioxide
- _____ 7. When muscles are overworked, soreness is caused by a buildup of _____.
 a. glucose b. carbon dioxide c. lactic acid d. energy