

Chapter 17

Use with Section 3

REINFORCEMENT

● Energy in Cells

Answer the following questions.

- How do producers make their own food? _____
- Fill in the following equation for photosynthesis.
 _____ + water + carbon dioxide + chlorophyll →
 _____ + _____
- What are the end products of respiration? _____
- What is a food chain? _____

- How does yeast cause bread to rise? _____

- 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.

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