

**Chapter 13**

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  $\longrightarrow$  \_\_\_\_\_  
 \_\_\_\_\_ + \_\_\_\_\_
- 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