



Reinforcement

Energy for Life

Directions: Answer the following questions on the lines provided.

1. How do producers make their own food?

2. Fill in the following equation for photosynthesis.

_____ + water + carbon dioxide + chlorophyll → _____ + _____

3. What are the end products of respiration?

4. How does yeast cause bread to rise?

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

Directions: For each of the following, write the letter of the term that best completes each statement.

_____ 6. Fermentation releases energy without using _____.
 a. oxygen b. glucose c. energy d. carbon dioxide

_____ 7. What process occurs in the mitochondria?
 a. fermentation b. photosynthesis c. respiration d. metabolism

_____ 8. During respiration some energy is released as _____.
 a. chemical energy c. heat
 b. light energy d. carbon dioxide

_____ 9. When muscles are overworked, soreness is caused by a buildup of _____.
 a. glucose b. carbon dioxide c. lactic acid d. energy

_____ 10. The green plant pigment that traps light energy from the Sun is called _____.
 a. glucose b. chlorophyll c. oxygen d. water

_____ 11. During photosynthesis, plants produce glucose and release _____.
 a. carbon dioxide b. energy c. oxygen d. water

_____ 12. The energy used by all living things starts with _____.
 a. producers b. consumers c. respiration d. sunlight

_____ 13. The total of all chemical reactions in an organism is called _____.
 a. metabolism b. respiration c. enzymes d. photosynthesis