

● Energy in Cells

Complete the following sentences using the appropriate words from the textbook.

1. Plants get their energy from the _____ .
2. The green pigment in plants is called _____ .
3. Organisms that can make their own food are called _____ .
4. A food chain always begins with a _____ .
5. The process by which plants change light energy into chemical energy is called _____ .
6. All the chemical changes that occur within the cells of an organism is called _____ .
7. During fermentation, _____ and _____ are produced.
8. Overworked muscles can still release energy when oxygen levels are low by the process of _____ .
9. The metabolism of glucose when oxygen is present is called _____ .
10. Consumers obtain energy by eating _____ and other consumers.

Match the description on the left with the term on the right by writing the correct letter in each blank.

- | | |
|---|------------------------|
| _____ 11. energy is released in the absence of oxygen | a. glucose |
| _____ 12. energy source necessary for photosynthesis | b. mitochondria |
| _____ 13. causes muscles to be sore | c. sunlight |
| _____ 14. made and stored by plants | d. oxygen |
| _____ 15. obtain energy from producers | e. consumers |
| _____ 16. energy can be lost in this form | f. alcohol |
| _____ 17. contain green pigment | g. chloroplasts |
| _____ 18. place where glucose is metabolized | h. water |
| _____ 19. combines with glucose during respiration | i. heat |
| _____ 20. fermentation product in yeast | j. fermentation |
| _____ 21. waste product in respiration | k. lactic acid |