

Cell Energy

Name: _____

Period: _____

Use Chapter 5, Section 1 of your textbook to answer the questions below. A ★ means a two word answer.

Section 1: Cell Energy (p.148)

1. All cells need energy to live, grow, and _____.
2. Plant cells get their energy from the _____.
3. A lot of animal cells get the energy they need from _____.



From Sun to Cell (p.148)

4. Almost all the energy used by living things comes from the _____.
5. Plants change energy from the sun into _____.
6. The process that plants use to make food is called _____.
7. Plants use the food they make for _____.

Photosynthesis (p.148)

8. The pigment _____ gives plants their green color.
- _____ 9. In photosynthesis, which of the following two things do plants use with sunlight to make food?
a. water & oxygen b. water & sugar c. water & carbon dioxide d. water & salt
- _____ 10. Which of the following is food that plants make for themselves?
a. salt b. glucose c. chlorophyll d. fertilizer
11. What gas is produced through photosynthesis? _____
12. Look at Figure 1. In what cell organelle does photosynthesis take place? _____



turn over for more questions

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Getting Energy from Food (p.149)

13. Animal cells can't make their own food. What must animals do to get food? _____
14. Breaking down food for energy using oxygen is called _____. ★
15. Breaking down food for energy without using oxygen is called _____.
- _____ 16. How do most complex organisms (like animals) get their energy?
- a. through breathing
 - b. through eating
 - c. through fermentation
 - d. through cellular respiration

Cellular Respiration (p.149)

17. In prokaryotic cells, cellular respiration happens in the _____. ★
18. In eukaryotic cells, cellular respiration happens in the _____.
- _____ 19. Which of the following is broken down into CO_2 and H_2O during cellular respiration?
- a. energy
 - b. oxygen
 - c. food
 - d. adenosine triphosphate (ATP)
- _____ 20. For what do animals use most of the energy freed during cellular respiration?
- a. to keep body temperature constant
 - b. to help body temperature change
 - c. to form adenosine triphosphate (ATP)
 - d. to fuel cell activities, such as growth
21. Energy released during cellular respiration can form ATP, which is _____ that is easily available for the cell to use.
22. Look at Figure 2. The cells of the cow get their energy from _____.
23. Look at Figure 2. The cells of the cow will use the process of _____ to get their energy. ★

