

Period: _____

Name: _____

Chapter 4/Cell Energy

Section 4-1/Photosynthesis

Directions: Be sure to read the pages completely or you will miss some of the questions, which come directly from the reading. The vocabulary is very important so that you can understand what the reading is explaining to you. Remember to always do your best work.

1. _____ is the source of energy for just about all living things.
2. _____ are the building blocks of all forms of matter.
3. _____ is the only source of energy your body has.
4. What do the root words of photosynthesis mean?
Photo- _____
Synthesis- _____
5. Where does photosynthesis take place within the plant? _____

6. What is the first step in the photosynthesis process? _____

7. At what time of the day would the first step in photosynthesis take place? _____
8. What is the second step of photosynthesis? _____

9. At what time of the day would the second, food producing stage take place? _____
10. What is the food produced by photosynthesis called? _____
Is this food a fat, protein, or carbohydrate? _____

11. What elements make up glucose? _____

12. What four things are required by a plant to perform photosynthesis?

13. Where does carbon dioxide enter the plant? _____

14. How does water enter the plant? _____

15. Write the chemical equation for photosynthesis:

16. Write the word equation for photosynthesis: _____

17. What is the waste product in photosynthesis? _____

Why is this product so important? _____

18. Explain the difference between autotrophs and heterotrophs: _____
