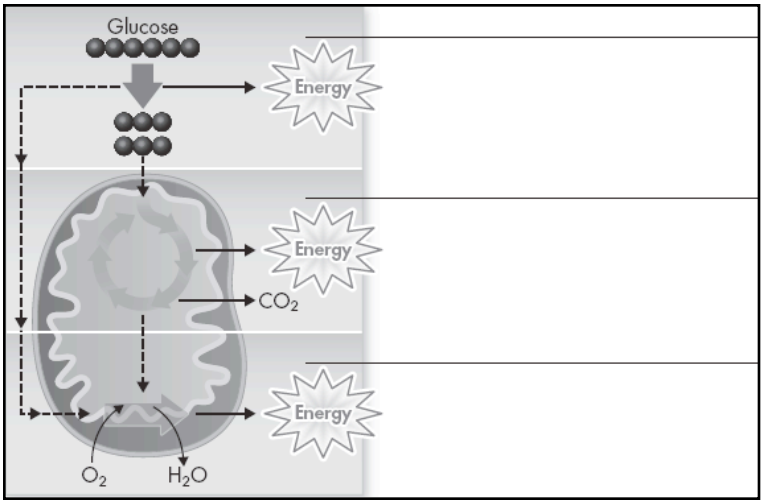
Chapter 9 Homework 1 pg. 250-253

Name _____ Period _____ Score _____

Absent ❑ Date of Absence _____
Late ❑

1. A calorie is a unit of _____.
2. The Calorie used on food labels is equal to _____calories.
3. A Calorie is also referred to as a _____.
4. Cells use the energy stored in chemical bonds of foods to produce compounds that directly power the cell's activities, such as _____.
5. The equation that summarizes cellular respiration, using chemical formulas, is _____.
6. If cellular respiration took place in just one step, most of the _____would be lost in the form of light and _____.
7. Cellular respiration begins with a pathway called _____, which takes place in the __ of the cell.
8. At the end of glycolysis, about _____ percent of the chemical energy is locked in the bonds of the _____ molecule.
9. Cellular respiration continues in the _____ of the cell with the _____and electron transport chain.
10. The pathways of cellular respiration that require oxygen are said to be _____. Pathways that do not require oxygen are said to be _____.
11. Complete the illustration by adding labels for the three main stages of cellular respiration.



For Questions 12–15, write True if the statement is true. If the statement is false, change the underlined

word or words to make the statement true.

_____ **12.** The energy flow in photosynthesis and cellular respiration occurs in the same direction.

_____ **13.** Photosynthesis deposits energy in Earth's "savings account" for living organisms.

_____ **14.** Cellular respiration removes carbon dioxide from the air.

_____ **15.** Photosynthesis takes place in nearly all life.

16. Complete the table comparing photosynthesis and cellular respiration.

Comparison of Photosynthesis and Cellular Respiration		
	Photosynthesis	**Cellular Respiration**
Function	Energy Capture	
Location of Reaction	Chloroplast	
Reactants		
Products		