Name_____Due upon return from break. Section_____ Date due_____

Cellular Respiration Webquest - 2009

Go to:
http://www.phschool.com/science/biology_place/biocoach/cellresp/intro.html

Cellular Respiration – The BIG picture

1. What is the purpose of cellular respiration? WRITE A SENTENCE!

2. In Bio J, we will use glucose to demonstrate how energy is taken out of the C-C bonds in glucose and converted to ATP. In reality many forms of all three of the **macromolecules** we have studied can be converted to ATP? What are the three major macromolecules that are found in foods ?

3. Glucose is the monomer of which of three macromolecules you have listed?

4. Look at the diagram on the first page of this website. It is trying to convey several messages.
   a. What are the two types of cells shown in the diagram in which this type of cellular respiration occurs?

   b. Cellular respiration begins in one part of the cell, and ends in a second part of the cell. Where does cellular respiration begin?

   c. What are the products (look at the arrows going "out" of the process") of cellular respiration? (You should find THREE).

   d. What are the two reactants?

   e. Put the reactants and products together in an equation using molecular formulas (H_2O is an example of a molecular formula). Use glucose for the organic molecule.