CELLULAR RESPIRATION: MAKING GASOLINE FOR YOUR CELLS

INTRODUCTION: Complete the following questions using the website
http://www.phschool.com/science/biology_place/biocoach/cellresp/intro.html

Once you have navigated to the website, go through the screens by clicking the "next" botton. Please note that you may have to view some of the provided animations to answer the questions.

1. Define Cellular respiration.

2. What is the most common "fuel" for respiration?

3. What three processes do we divide Cellular Respiration up into? Where does each process occur?

4. What are the two steps that the cell goes through if oxygen is not available?

5. Reactants are the "ingredients" of a reaction, while products are what the reaction ends up making. Glycolysis is the breaking down of sugar (the roots *lysis* means to break and *glyco* is referring to sugar). What are the reactants of Glycolysis? What are the products?

6. What gas is given off during the Kreb Cycle?

7. What makes up the Electron Transport Chain?

8. What is fermentation? When does the cell use this process?

9. How many molecules of ATP can cellular respiration make? How many molecules does the cell make if oxygen is not present?

10. Take the self quiz. Print off your final score and attach it to this sheet.

11.