Biology 1 Name:

***Respiration***  Date:

***As A Chemical Reaction*** Hour:

Shown below is the chemical equation for cellular respiration with symbols for the reactants and products of the reaction.
Label the following molecules in the diagram below:

Glucose, Carbon Dioxide, Oxygen Gas, Water

Color following molecules/atoms in the diagram below:

 Oxygen Atoms (red)            Carbon Atoms (green)       Hydrogen Atoms (blue)
 ATP Molecule  (orange)  Glucose Molecule  (green, blue & red stripes)



**Instructions:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Reactant** | **Structure (# & types of atoms)** | **Source/Where it is found** | **Product** | **Structure (# & types of atoms)** | **Source/Where it is found** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  | ATP | C - 10H – 16N – 5O – 13P - 3 | In cells |

 Using the diagram above, and your notes from class, fill in the chart below.

**Instructions:**

Using the diagram above, and your notes from class, fill in the chart below. Place the bulleted terms on the chart

* **Reactants**
* **Products**
* **Food/Glucose**
* **CO2**
* **H20**
* **O2**
* **Energy Change**

