Biology 1 Name:

Date:

***Respiration – Anticipation Guide*** Hour:

**Instructions:**

Prior knowledge can be one of the most valuable tools you have when trying to understand new material. However, you must be careful to remain open to new ideas and ways of looking at things because misconceptions are often a part of this prior knowledge. This can hinder your ability to move forward in understanding the new content. Fill in the first column below BEFORE reading chapter 7 in the textbook. While reading the chapter, fill in the next two columns.

|  |  |  |  |
| --- | --- | --- | --- |
| **What I think is fact (about respiration)…** | **Is it true?**  **(yes/no/sort of)** |  | **Fact according to the textbook** |
|  |  |  | Define cellular respiration. |
|  |  |  | What are the products? What are the reactants? |
|  |  |  | What is Glycolysis? |
|  |  |  | What is aerobic respiration? |
|  |  |  | What is fermentation? |
|  |  |  | What is the difference between lactic acid fermentation and alcoholic fermentation? |
|  |  |  | Describe the structure in which aerobic respiration takes place. |
|  |  |  | What is the Krebs Cycle? |
|  |  |  | What is the Electron Transport Chain? |
|  |  |  | What is the role (importance) of Oxygen in this process? |

**Final Word: Describe the efficiency of the processes listed above. Where and when is the most ATP produced?**