**Photosynthesis/Cellular Respiration/Fermentation Breakdown

\*Required Biology Homework\***

**Purpose**

1. The purpose of photosynthesis is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The purpose of cellular respiration is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. The purpose of fermentation is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Reactants and Products**

|  |  |  |
| --- | --- | --- |
| **Process** | **Reactants** | **Products** |
| Photosynthesis |  |  |
| Cellular Respiration |  |  |
| Alcoholic Fermentation |  |  |
| Lactic Acid Fermentation |  |  |



*A class set up an experiment with the four flasks above. Each flask had a stopper and was put under a light.* **What color should the solution in each flask be?**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Original color | Color after a few hours? | Explanation |
| Flask 1 |  |  |  |
| Flask 2 |  |  |  |
| Flask 3 |  |  |  |
| Flask 4 |  |  |  |

**Cycles of Matter**

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| --- |
| **The Water Cycle** |
| Enters the Atmosphere | *
*
 |
| Returns to Earth |  |
| How it’s stored on Earth | *
*
 |

|  |
| --- |
| **The Carbon Cycle** |
| Enters the Atmosphere | *
*
 |
| Removed from the Atmosphere/ Returns to Earth |  |
| How it’s stored on Earth | *
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