**Photosynthesis vs. Respiration**

|  |  |  |
| --- | --- | --- |
|  | **Photosynthesis** | **Respiration** |
| **What is its purpose?** |  |  |
| **What type of cells do this?** |  |  |
| **What organelle in the cell does this?** |  |  |
| **Reactants** |  |  |
| **Products** |  |  |

Which process:

 Releases energy for the cell?

 Stores energy for the cell?

What type of energy:

 Is used to make food during photosynthesis?

 Is made during respiration?

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Complete the Table using the words and phrases in the box below:

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| * Green plant cells
 | * Chloroplast
 | * Release energy from food
 |
| * CO2 + H2O + ATP
 | * Glucose + O2
 | * All cells
 |
| * Mitochondria
 | * Capture & Store energy
 | * Glucose + O2
 |
| * CO2 + H2O + light
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