**Photosynthesis, Cellular Respiration and Protists STUDY GUIDE**

A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** occurs when bonds between atoms are broken

Photosynthesis occurs in the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (what organelle?)

Cellular respiration occurs in the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (what organelle?)

The source of energy for ALL organisms is **\_\_\_\_\_\_\_\_**

The major energy source for most cells is stored in a sugar molecule called **\_\_\_\_\_\_\_\_\_\_\_\_**

What must a cell be able to release to stay alive? **\_\_\_\_\_\_\_\_\_\_\_**

Energy released during cellular respiration is in the form of **\_\_\_\_\_\_\_\_\_\_**

The process that requires energy is called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

The process that makes energy is called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

The starting materials for photosynthesis are:

The products of photosynthesis are:

The starting materials for cellular respiration are:

The products of cellular respiration are:

The two ways cells release energy are **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Cells have a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** cell membrane

How do cells store energy? **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Your cells are made mostly of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

List how the following Protists move, eat and reproduce:

|  |  |  |  |
| --- | --- | --- | --- |
|   | **Movement** | **Food** | **Reproduce** |
| **Euglena** |  |  |  |
| **Amoeba** |  |  |  |
| **Paramecium** |  |  |  |
| **Volvox** |  |  |  |

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