***Notes- Cellular Respiration***

Cellular Respiration

In the box to the right, write the formula for cellular respiration

Where does cellular respiration occur?

**What is the energy from cellular respiration used for?**

**Energy Conversions**

* Cellular respiration is the process in which organisms \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ food to create usable \_\_\_\_\_\_\_\_\_\_\_\_.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy in \_\_\_\_\_\_\_\_ is converted into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy in the living organism.
* Cellular respiration occurs within every \_\_\_\_\_\_\_\_of every \_\_\_\_\_\_\_\_\_\_\_\_ organism.
* It occurs within the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** of each cell.

1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Which types of energy are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from the \_\_\_\_\_\_ to a \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_?
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_/Solar/Light** (light from \_\_\_\_\_\_\_\_\_)
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stored in plant through photosynthesis, cellular respiration & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in animal)
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**(organism breaks down glucose to produce energy to \_\_\_\_\_\_\_\_\_ and grow)
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (\_\_\_\_\_\_\_\_ is released in the atmosphere)

|  |  |
| --- | --- |
|  |  |
| Horizon O |  |
| Horizon A |  |
|  |  |
| Horizon C |  |
| Horizon R (Bedrock) |  |

The Oxygen Cycle

Draw the Oxygen Cycle in the box to the right

* Photosynthesis and Cellular Respiration are complimentary \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that result in the \_\_\_\_\_\_\_\_\_\_\_\_\_ cycle.
* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of **photosynthesis** are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of cellular respiration and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of **cellular respiration** are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of photosynthesis.

Photosynthesis vs. Cellular Respiration

Cellular Respiration

Reaction:

Reactants:

Products:

Waste Products:

Energy Needs:

Summary:

Photosynthesis

Reaction:

Reactants:

Products:

Waste Products:

Energy Needs:

Summary: