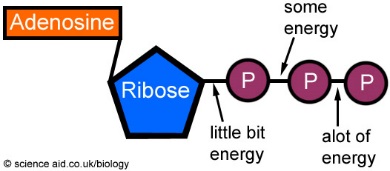
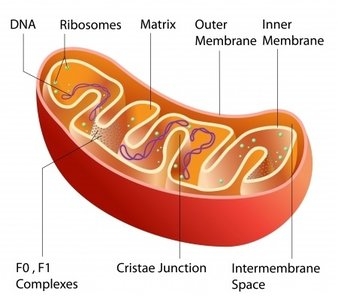
Unit 4: Cell Respiration

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is the process by which the chemical energy of "food" molecules is released and changed into ATP.

**How is ATP broken down to create energy?**

* Occurs in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of cells

**Why is the mitochondria folded?**

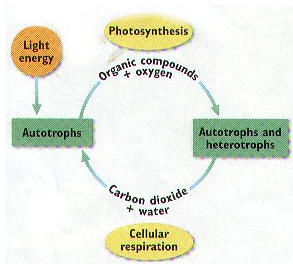
**EQUATION:**

**ALL CELLS UNDERGO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| **Aerobic Respiration** | **Anaerobic Respiration (AKA \_\_\_\_\_\_\_\_\_\_\_\_\_\_)** |
| * Requires \_\_\_\_\_\_\_\_\_ (O2) * More efficient * Produces \_\_\_\_\_\_ ATP molecules * \_\_\_\_\_\_ is formed   Three Stages:  -  -  -  Where does this occur? | * Does not require \_\_\_\_\_\_\_\_ (O2) * Less efficient * Produces \_\_\_\_\_ ATP molecules * \_\_\_\_\_\_\_ is not formed   2 Types:  **Alcoholic:** Happens in \_\_\_\_\_\_\_\_  \_\_\_\_\_ and \_\_\_\_\_\_ are produced  **Lactic Acid:** Happens in \_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_ is produced  Where does this occur? |

Draw concept map of aerobic and anaerobic respiration:

* Both aerobic and anaerobic respiration make \_\_\_\_\_\_\_ and use \_\_\_\_\_\_\_\_\_\_

Draw relationship between photosynthesis and cell respiration: