

Respiration Foldable - Homework

1. Fold your sheet of paper along the short ends so the edges meet in the middle.
2. Cut each flap into three equal parts. → You should have six flaps (see right).



3. On each of the **first 2 top flaps**:
 - a. Write a **“reactant”** for respiration (oxygen, glucose)
 - b. Draw a picture or symbol representing each one.
4. **Underneath** each of the first 2 top flaps, explain **how a organisms obtain this “reactant”** (e.g. Where does it come from?)
 - a. Include heterotrophs (e.g. animals) and photoautotrophs (e.g. plants)

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5. On each of the **3 bottom flaps**:
 - a. Write a **product** of respiration (carbon dioxide, water, 36 ATP)
 - b. Draw a picture or symbol representing each one.
6. **Underneath** each of the 3 bottom flaps, explain **how organisms use this product**. (Hint: carbon dioxide and water are used by plants in another process)
7. On the **right-most top flap**, write the word "**Respiration.**"
8. Underneath this flap, define **aerobic** and **anaerobic**. Include which uses oxygen and is mainly performed by the **mitochondrion**.
9. In the center space, write the **chemical equation for aerobic cellular respiration**.

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