

**Photosynthesis**

**CO₂ + H₂0 C₆H₁₂O₆ + O₂**

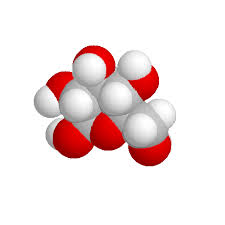
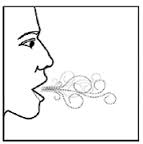
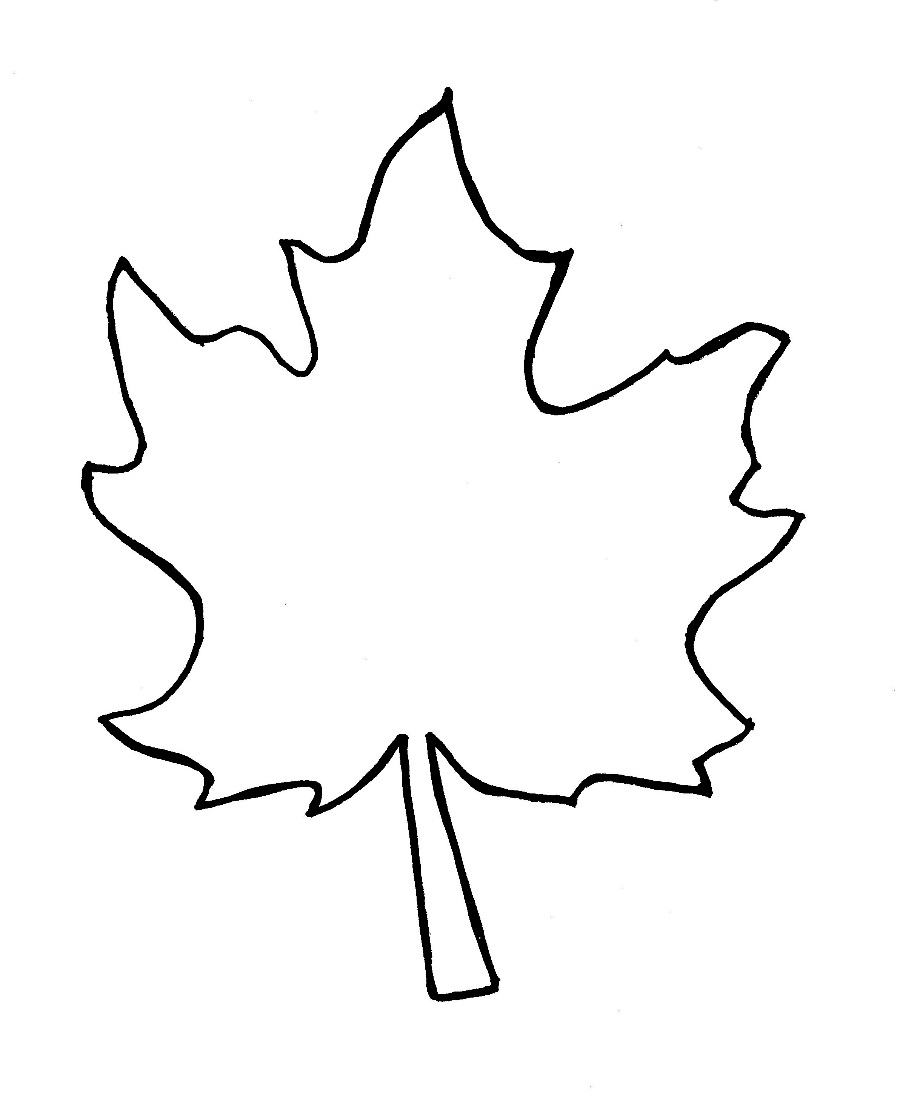
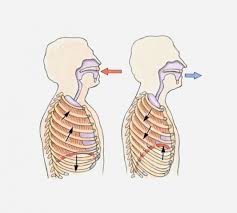
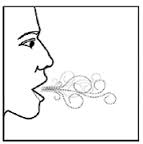
Carbon Dioxide + Water Glucose + Oxygen

**Ca**

Light energy

**Sun Light**

Provides the energy needed for photosynthesis\_\_\_

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**Carbon Dioxide (CO₂)**

CO2 in the air enters the leaf through tiny holes\_\_\_\_\_\_\_\_

Photosynthesis is important because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Water (H₂O)**

The plants roots take\_\_ up water and send it to the leaves\_\_\_\_\_\_\_\_\_\_\_

**Glucose (C6 H12O6)**

Glucose is a form of sugar that provides energy for the plant and animals that eat the plant

**Oxygen (O₂)**

The leaf releases oxygen into the air

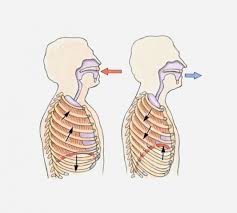
**Chloroplasts in the leaf:**

Trap light energy to make glucose ­­­­­­­­­­­­­­­­­

**Cellular Respiration**

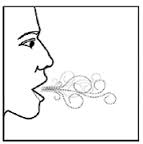
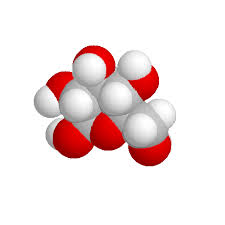
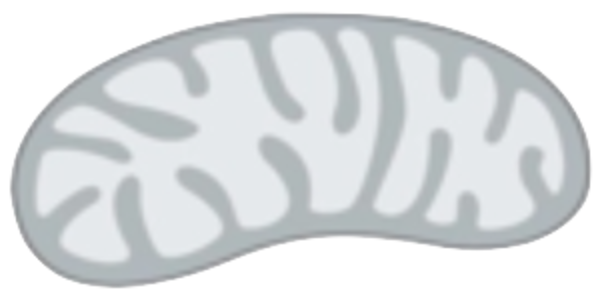
**C₆H₁₂O₆ + O₂  CO₂ + H₂0 + ATP**

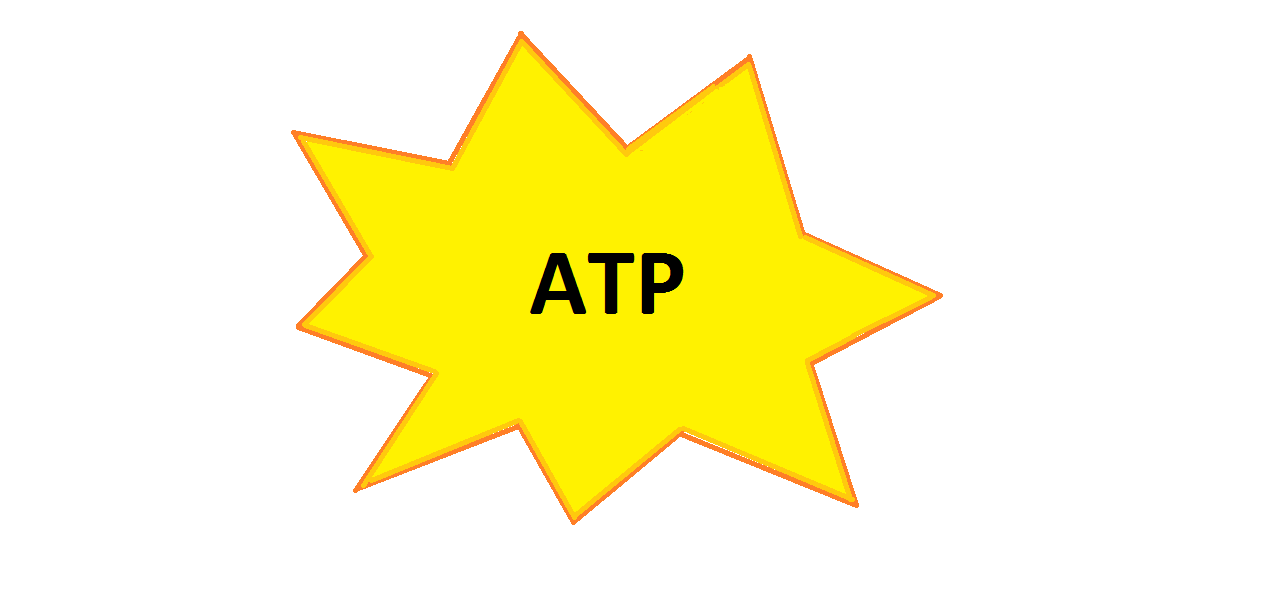
Glucose + Oxygen  Carbon Dioxide + Water + ATP

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**Oxygen (O₂)**

Organisms get oxygen from the air\_\_\_\_\_\_\_\_

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**Carbon Dioxide (CO₂)**

Carbon Dioxide is released into the air\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ATP**

Respiration turns glucose into ATP, a form of energy that the cell can use

**Water (H₂O)**

Water is formed as a byproduct of cellular respiration\_\_\_\_\_\_\_\_\_\_\_

**In the mitochondria:**

Oxygen and glucose are burned to make ATP \_\_\_ ­­­­­­­­­­­­­­­­­

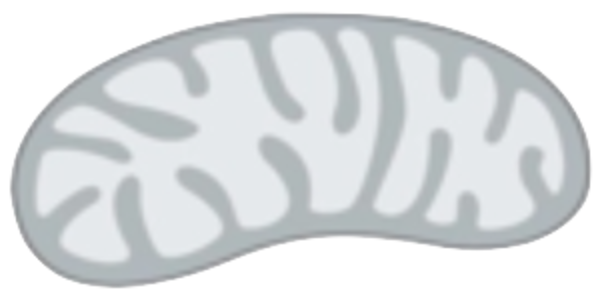
Cellular Respiration is important because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Glucose (C6 H12O6)**

Animals get glucose from their food, plants get it from photosynthesis\_\_\_\_\_\_\_\_\_\_\_\_\_

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