

Date: _____

Name: _____

Photosynthesis Experiment

This activity was created by Amaris.

Have you ever wondered how plants get the food and nutrients they need to grow?

Plants get their energy from water and carbon dioxide. The plant uses sunlight to convert the carbon dioxide and water into sugar for energy. Oxygen is also released as waste. This process of plants getting energy from the sun is called photosynthesis (photo = light, synthesis = the combination of things).

There's an equation to represent this process that may make it a little easier to understand:

Water + Carbon Dioxide ----- Sunlight -----> Sugar + Oxygen

Try out this experiment to observe plants producing oxygen:

Materials

- Freshly picked weeds
- Water
- Clear container
- Rock to weigh the plant down

Instructions

Collect some weeds and place them inside a clear container.

Fill the container with water, 3/4 full.

Leave the container with the weeds in a sunny spot for 1-2 hours.

Date: _____

Name: _____

Your container should look like this -->



Observations

Write down your observations: what did you see in the container?

You should see some bubbles forming on the leaves and on the edges of the container. The bubbles are from the oxygen produced through photosynthesis by the weeds.