

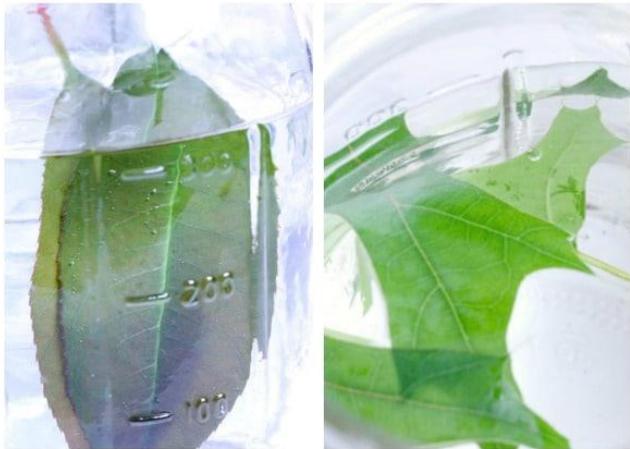
How Do Trees Make Oxygen Science



Learning about trees? Complete your photosynthesis science experiment with this simple science demonstration learning how trees make oxygen. This tree science project teaches the basics of photosynthesis for kids

What Trees Produce The Most Oxygen?

Science Experiment for Kids



In this tree science experiment, kids can figure out whether some trees give off more oxygen than others.

If kids are [completing a NGSS science experiment](#) where they must find a solution to a human-created problem, like ozone damage, then they can conduct this experiment to determine what kind of trees would be best to plant to reverse ozone damage.

HOW TREES BREATHE

Want to know how trees breathe? Complete this tree science experiment and find out which trees produce the most oxygen through photosynthesis.

Photosynthesis for Kids

Photosynthesis is the process of turning sunlight into energy. Chlorophyll within the chloroplasts of plant absorbs light energy.

Chloroplasts store the sun's energy until it can be used. This energy is then used to split hydrogen atoms from oxygen atoms. Plants absorb carbon dioxide and pairs it with hydrogen molecules to make sure.

The plant consumes the sugar and releases the oxygen back into the air through the leaves. You can see this visualized in water because the oxygen gets trapped under the water and makes bubbles.

What you need for the tree and oxygen experiment:

- Small containers of similar size ([I used mason jars](#))
- Several types of leaves (I used leaves from three trees and two bushes)

What trees produce the most oxygen experiment directions



I modified the classic science experiment where you sink a leaf in water to watch how it produces oxygen. When a leaf is submerged, you can see the oxygen it produces in the form of bubbles clinging to the leaves.

You may hypothesized that the more bubbles a leaf produced, the more oxygen it could make. I gathered a peace lily leaf, a leaf from an Angel Wing Begonia, and a

leaf from a Red Prayer Plant.

I placed the leaves in equal amounts of water (about a cup per leaf). I let the leaves sit in the water for over one hour.

After, I observed which leaves had the most bubbles. They all produced many tiny bubbles.

This experiment was originally posted at:

<https://www.steamsational.com/tree-unit-study/>

