



How does a plant breathe?

Learning Activity

Budding scientists will be mesmerised when they see how a leaf is alive and breathes!



What you need:



Freshly plucked leaf



Freshly plucked leaf



Clear bowl



Lukewarm water



Small rock

Step one

Fill the bowl with lukewarm water.

Step two

Place freshly plucked leaf into water and place rock on top to full submerge the leaf.

Step three

Place bowl in a sunny spot. WAIT a few hours.

Step four

After a few hours, view the leaf. Children will see small bubbles on the leaf and on the edge of the bowl.

Step five

Explain what is happening is a process called photosynthesis where the leaf is using sunlight to convert into energy. While it's busy converting, it must get rid of extra oxygen and water it doesn't need. That's why we see the tiny bubbles. Because oxygen is lighter than water, we'll see the bubbles rise to the surface.



Don't forget to send us a photo of your creation!
Upload it via our website or email it to sunflowers@daltons.co.nz