

GROWING WATER!

ASK FOR HELP!

You'll need to ask a grown-up to help you get things in and out of the freezer



Want to see a magic trick? Squidge & Snap uncover the amazing growing properties of water using nothing but a bottle and a freezer!

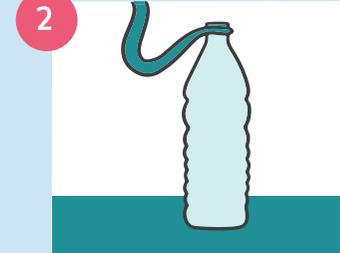
you'll need :

- old plastic bottle with lid
- plastic bag

How it's done



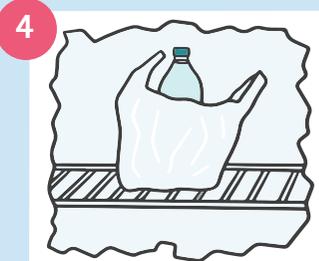
Carefully fill a plastic bottle with water...



and then pop on the lid



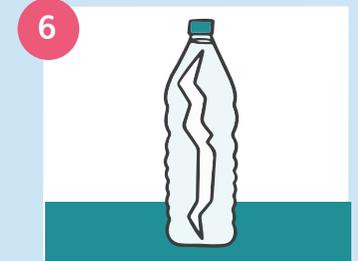
Put the bottle in a plastic bag



Pop it in the freezer for 24 hours (ask your grown-up to help you)



In the morning, take it out of the freezer being sure to keep it in the bag



And – hey presto! – the plastic bottle has split!

How it works

As water freezes, the molecules arrange themselves differently, turning water from a liquid to a solid, making it expand by about 9%! It's powerful process and explains how water breaks down rocks (they absorb water, the water expands and the rocks crack). Cheddar Gorge was made this way (with the help of wind and erosion) over millions of years! It can also cause pipes to burst in cold weather so we must make sure to keep water pipes from freezing!.

