



GREEN-SCHOOLS STAY HOME - WATER



Day 1 - Evaporation

Welcome to Green-Schools Stay Home! We are really excited to show you some cool stuff you can do at home to keep helping the environment! We're going to start off with learning some more about Water!

Did you know that water exists in three states? It can be solid as ice, liquid as water and even turn into a gas called "water vapour".



When water heats up, the tiny molecules that form water loosen up and spread out more becoming a gas. This process is called "evaporation" and is an essential part of the water cycle. You know...how water vapour forms clouds, and then clouds get really heavy and the vapour turns back into rain? The rain collects in rivers and oceans, heats up and...turns right back into water vapour again!

FACT!
DID YOU KNOW THAT THERE IS MORE WATER VAPOUR IN THE ATMOSPHERE THAN THERE IS IN ALL OF THE EARTH'S RIVERS COMBINED?? THAT'S A LOT OF WATER!



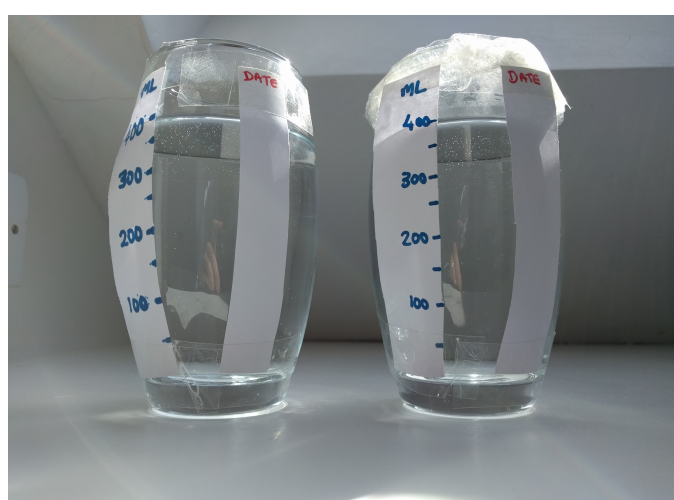
Evaporation Activity

WHAT DO YOU need?

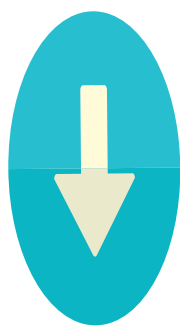
- 2 jam jars or old tumbler glasses (matching size/shape)
- Markers
- 1 measuring jug (optional)
- Paper, scissors & sellotape
- Something to use as a cover e.g. jam jar lid, beeswax wrap, saucer or clingfilm



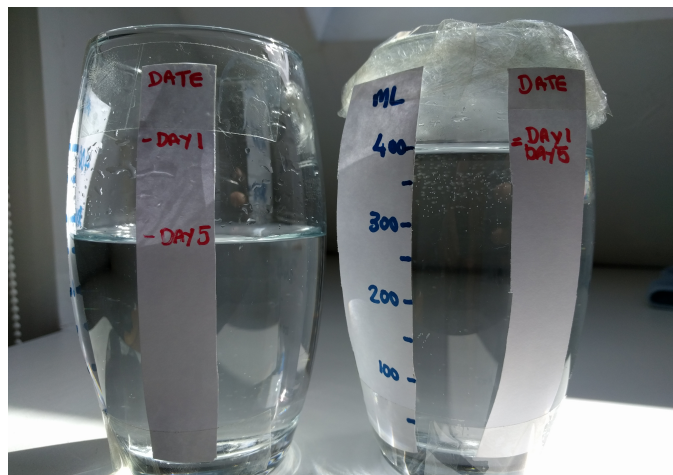
WHAT TO DO...



- Get two identical empty jam jars and fill them both equally about two-thirds full with water.
- Make a simple scale for each using a length of paper, like in the photo, and tape this to the jar.
- Cover one of the jars with a lid or cover - just make sure no air can get out! Leave the other one without a lid.



TIP!
IF YOU WANT TO BE REALLY SCIENTIFIC YOU CAN USE A MEASURING JUG TO MEASURE OUT EXACTLY HOW MUCH WATER YOU'VE PUT IN.



- Place the jars beside each other in a sunny spot inside your house, like a windowsill. Use a marker to record the date and mark the level of the water on the scales for each one.
- Check them tomorrow at the same time - do they still have the same amount of water? Mark the water levels with the new date on the jars again. Do this every day for two weeks...

CONCLUSION...

What happened and why? Did the water levels change, and if they did, where did the water go? Repeat the experiment but put the jars in a dark, cool part of the house. Do the water levels take more or less time to change?

Thanks for taking part,
keep checking back for
more tips, experiments &
activities with
#GreenSchoolsStayHome