

Evaporation experiment

RESOURCE SHEET 3

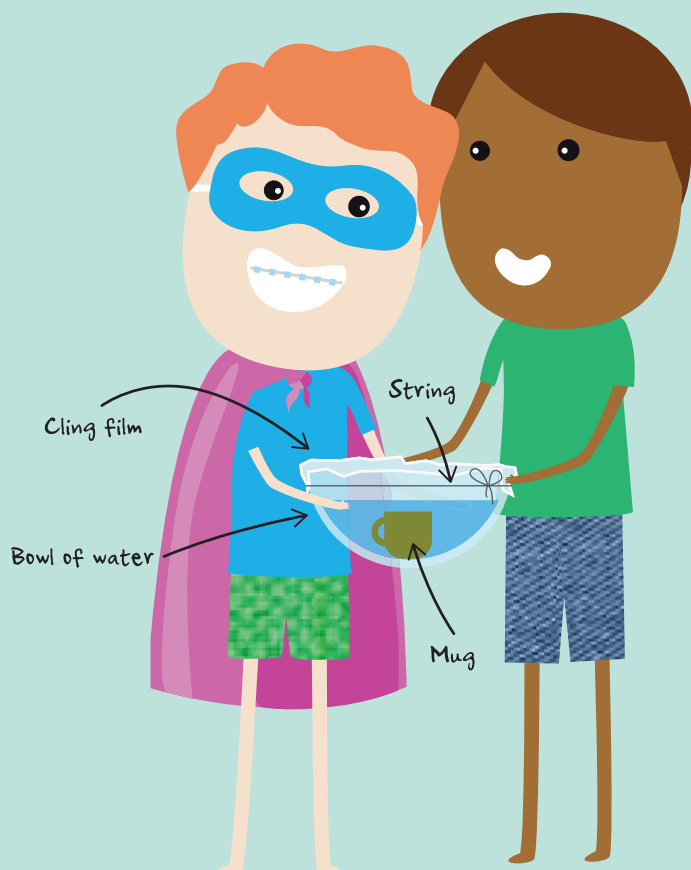
You will need:

- ★ **Cling film**
- ★ **String**
- ★ **Mug**
- ★ **Bowl of water**

- 1) Put the bowl in a sunny place outside.
- 2) Pour water into the bowl until it is about a quarter full.
- 3) Place the mug in the centre of the bowl. Be careful not to splash any water into the mug.
- 4) Cover up the top with the cling film tightly.
- 5) Tie the string around the bowl to hold the cling film in place.
- 6) Come back to the bowl every half an hour to see what happens.

The 'mist' that forms on the cling film will change into larger drops of water that will begin to drip. (You can speed up the dripping by carefully moving the bowl - don't splash! - into the shade).

When this happens, continue watching for a few minutes, then carefully peel back the clingfilm. Is the mug still empty? Water from the 'ocean' of water in the bowl evaporated. It is condensed to form misty 'clouds' on the cling film. When the clouds became saturated it 'rained' into the mug!



Making rain

RESOURCE SHEET 4

You will need:

- ★ Plastic fish tank
- ★ Some cling film
- ★ Some ice cubes

Put some warm water in a plastic fish tank. Stretch cling film over the top of the tank. Put 3 or 4 ice cubes in a pile at one end of the cling film.

Pucker the surface of the cling film so that they are kept in the same position.

Watch what happens and write up your experiment below. Write down what you used, what you did and what happened:



Where does the water go?

RESOURCE SHEET 5

Try this experiment to find out where the water goes when a puddle dries up.

You will need:

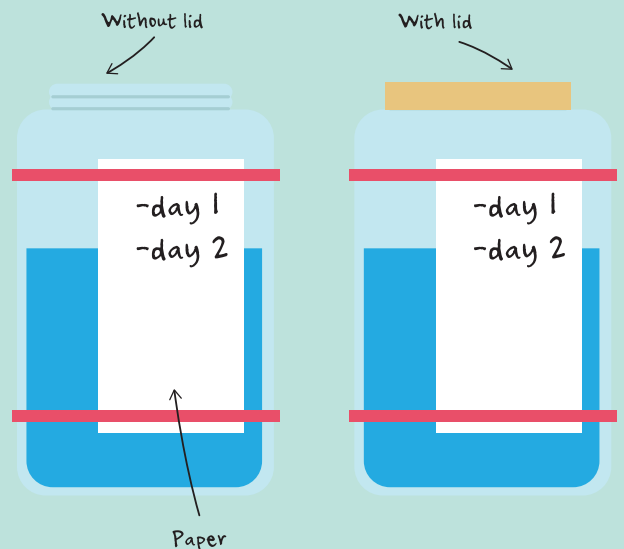
- ★ 2 strips of paper
- ★ 2 jars the same size with lids
- ★ 4 rubber bands

Your results

What happens to the level of water in the jar without a lid?

What happens to the level of water in the jar with the lid?

What do you think has happened to the water that is missing from the jar?



Puddles

RESOURCE SHEET 5

You will need:

- ★ A jug
- ★ A piece of chalk

- 1) Fill the jug with water and take it to the playground.
- 2) Find a place that will hold water.
- 3) Pour the water onto the ground. You have made a puddle.
- 4) Draw around around the puddle with the chalk.
- 5) Look at the puddle after each hour through the day.

Your results

Is the puddle smaller or bigger?

Where has the water gone that is missing from the puddle?

