Wednesday 13th January 2021

Remote learning, Geography

Water Cycle experiment

For this experiment you will need –

An adult

Large bowl

Mug or small cup

Cling film

String or large rubber band

Water

Step one

Place the mug or cup in the centre of the bowl. Fill the bowl with water about 2/3 of the way up the cup (do not put water inside the cup).

Step two

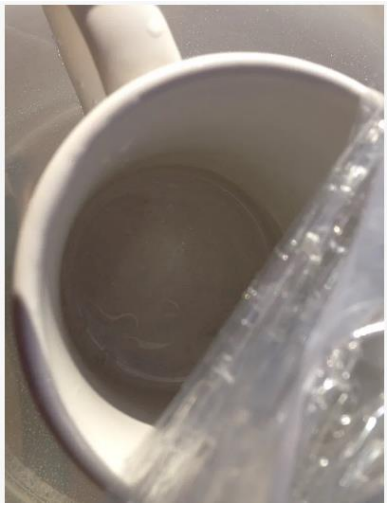
Cover the bowl with cling film and either tie it with string or place a large rubber band around it to secure the plastic wrap. Place it outside in a sunny area for a few hours.

Step three

Observe what is happening after a few hours, has any water begun to gather?

Step four

After several hours the plastic wrap will have condensation and some of the condensation will have dripped or fallen into the cup or mug.



This experiment demonstrates how the water cycle operates.

The heat of the sun turned the water in the bowl into vapour (evaporation). The vapour turned into water droplets on the cling film (condensation), which when they became heavy and joined

together fell into the cup as rain (precipitation) into the bowl and the cup (representing the runoff from the hills).

Challenge

Could you draw a picture to represent this and write a few sentences explaining how this is linked to the water cycle?