

Make It Rain Experiment



GREEN-SCHOOLS
STAY HOME - WATER



The sun causes the water on the earth to heat up and turn into a gas called water vapour. It goes up into the air. This is called evaporation.

When it is cooled down in the air it turns into tiny water droplets which form clouds. This is called condensation.

When the droplets come together and become too heavy they fall as rain. This is called precipitation.

You see how this happens by doing the experiment below!

Set up time: 10 minutes

Wait time: 3 minutes

What do you need?

1. A see-through glass or jar
2. A ceramic plate.
3. Hot water (an adult is needed for this)
4. 4 ice cubes.



What do you do?

1. Carefully pour 5cm of the hot water into the jar.
2. Cover the top of the jar with the ceramic plate face up.
3. Wait 3 minutes.
4. Put the ice cubes on the plate.



Questions

1. Where is the evaporation happening?
2. Where is the condensation happening?
3. Did you see any smaller drops join with bigger drops and fall or roll down the jar like rain? In clouds this is called precipitation.
4. The water is liquid and the water vapour or steam is a gas. What causes them to change into each other?

Watch

Check out a video of the experiment being done here:

<https://www.youtube.com/watch?v=9kRkQ9tyq3U>

More

Check out more on the water cycle with our interactive pdf

here: https://greenschoolsireland.org/wp-content/uploads/2020/05/9129_WATER_PRIMARY_F4_INTERACTIVE.pdf