

# A CLOUD JAR!

Squidge & Snap show you how to make a real cloud right in your hands, but you'll need to be quick to make it work!

you'll need :

- hairspray
- ice cubes
- a jar (you could use an empty food jar)



## ASK FOR HELP!

This experiment uses boiling water so please ask a grown-up to do this bit (and check it's OK to use their hairspray!)



## How it's done

1



Ask a grown-up to boil the kettle while you gather everything you need

2



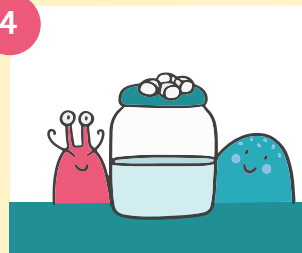
Ask your grown up to pour some boiling water in the jar

3



Spray hairspray into the jar and ask your grown-up to quickly close the lid

4



Carefully place ice cubes on top of the lid of your jar

5



Wait and watch! You'll see a cloud forming at the top of the jar

6



After 20 seconds, let your cloud escape into the sky!

## How it works

Clouds form when water vapour condenses into water droplets that attach to particles (like dust, pollen or pollution) in the air. When billions of these join together – TA-DAA! – they form a cloud. Can you work out what we used as the particle source? Why did we put ice on top of the jar? See our Cloud Busting worksheet at [bristolwater.co.uk/education-toolkit](http://bristolwater.co.uk/education-toolkit)

Wow!