



CLOUD IN A JAR!



With the help of a grown up, this simple setup shows how warm, moist air meets cold air to create clouds and rain.

WHAT YOU NEED:

- ✓ A grown up to help!



- ✓ A clear glass jar



- ✓ Very hot water



- ✓ Ice cubes



- ✓ A small plate



SAFETY FIRST!

Hot water can burn.
Always have a grown up help you!



WHAT TO DO:

- 1 With the help of a grown up, carefully pour about two inches of hot water into the jar.



- 2 Swirl it around to warm up the glass.



- 3 Place the plate on top of the jar to seal it and let it sit for about **30-40 seconds** to trap the warm, moist air inside.



- 4 Place several ice cubes on top of the plate.



WHAT HAPPENS?

As the warm, humid air inside the jar rises and hits the cold plate, it cools down and turns back into tiny water droplets, forming a **swirling "cloud"** inside the jar.

If you wait long enough, the droplets will grow and **"rain"** down the sides!

