

Rain cloud in a jar



You will need:

1. Water
2. Jar
3. Shaving foam
4. Food colouring

1. Fill your jar about $\frac{3}{4}$ full with water from the tap.
2. Use the shaving foam to create a cloud on top of the water.
3. Let the foam settle a bit.
4. Slowly drop food colouring into the shaving foam.

As your cloud fills up, the food colouring will fall down into the water creating a rain-like effect.

The science behind:

Clouds are formed when water vapour rises to the air. When the vapour hits cold air, it turns back into droplets of water.

Those tiny drops of water floating in the air collect and "stick" together to form clouds.

When clouds get so full of water that they can't hold any more, the water falls back to the ground as rain.