

STEAM CLEAN!

ASK FOR HELP!

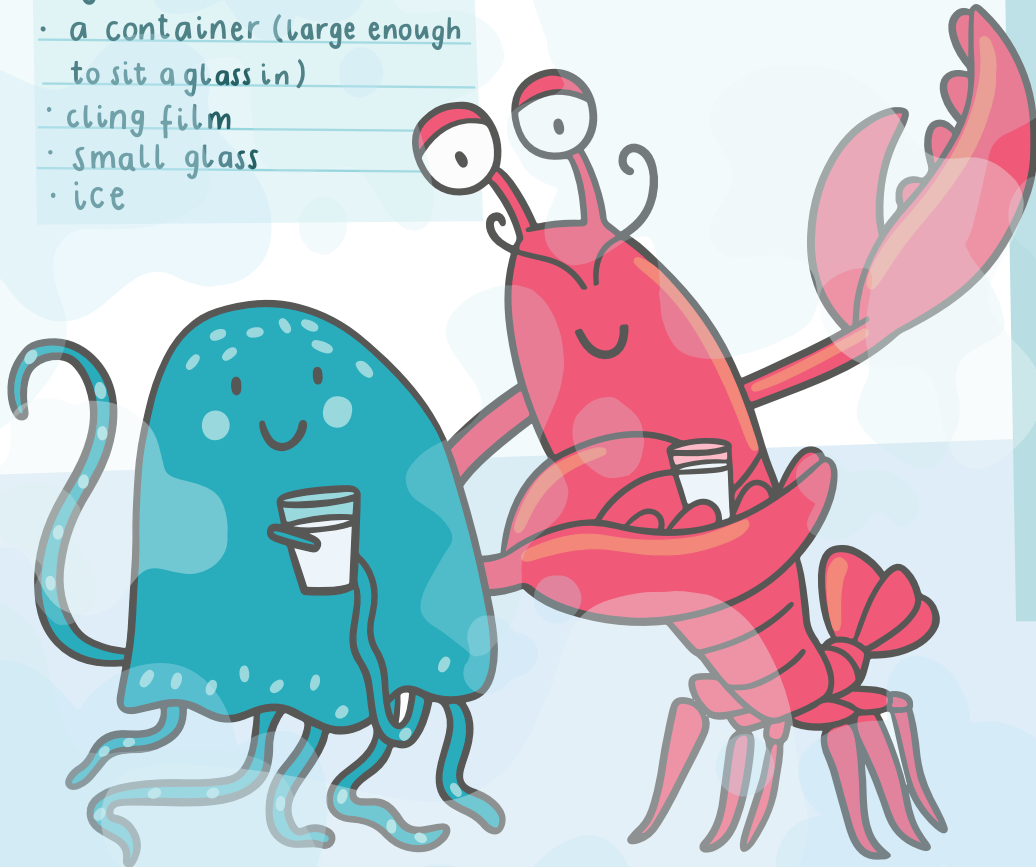
This experiment uses hot water so please ask a grown-up to help you... and please don't drink the water!



Squidge & Snap show us how to turn icky liquid into sparkly clean water using evaporation and condensation

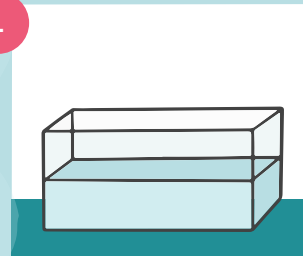
you'll need :

- a container (large enough to sit a glass in)
- cling film
- small glass
- ice



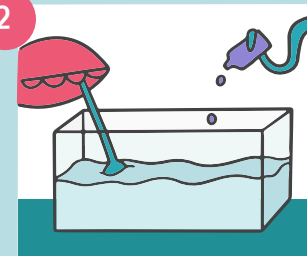
How it's done

1



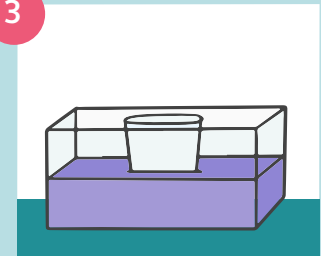
Fill a container halfway with hot water (ask a grown-up to help)

2



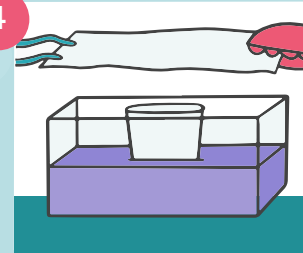
Mix in some dirt or food colouring so it's all icky!

3



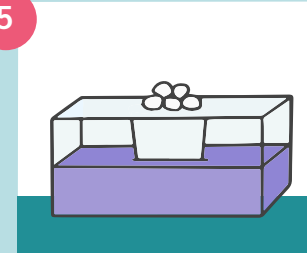
Place a glass in the middle of the container – don't let any dirty water get inside

4



Work with your grown-up to pop some cling film over to top of the container

5



Now place some ice just above the cup area on top of the cling film

6



Leave for 30 minutes. When you come back you should see some clean water in the cup!

How it works

The hot water (liquid) turns into a gas (water vapour) and rises. This process is known as evaporation. This reverses when the vapour rises and reaches the cool air (from the ice cubes) turning the vapour back into water again, known as condensation. Knowing this, how do you think the water got in the glass? See our Water Cycle worksheet at bristolwater.co.uk/education-toolkit

NO WAY!