

How can get fresh drinking water from salty water?

Problem-solving - How could you separate water from salty water if your only heat source was the Sun?

You could try modelling your ideas by:

- Placing a few centimetres of salty water in a mixing bowl.
- Place a small beaker in the centre of the beaker.
- Stretch some Clingfilm over the opening of the bowl and place a weight in the middle of the Clingfilm (you are making it dip above the small beaker).
- Now you could leave this equipment outside on a sunny day.

What do you think might happen?

The water should **evaporate**, and then **condense** on the Clingfilm, before dripping into the small beaker below the Clingfilm.

Where do you think the salt has gone?

You could draw a labelled diagram of what happened to explain the science.

