

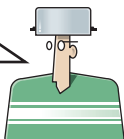
A water world

Here is a model of the Earth's rain, clouds and oceans:

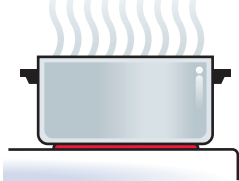
You'll need

- Medium-size kitchen pot
- Stove
- Aluminum pie pan
- Lots of ice cubes (4 ice trays or more)
- Two hot pads or gloves
- Adult helper

Source:
National
Wildlife
Federation
(U.S.)



Try This



1

With your adult helper, half-fill pot, put on stove, boil water, then turn heat to lowest setting

Do you see a thin mist coming from the water's surface?



2

Fill pan with ice; hold with pads or gloves and set on pot

3

Wait 1 minute; look under the pan
What do you see?



Put back on pot; 5 minutes later, look again

Has anything changed?

Replace, and look again in 5 minutes

What is happening under the pan?

What happened?



1. Water in the pot turns into vapor (evaporates); this also happens more slowly to water in rivers, in oceans and on damp ground



3. When lots of vapor has condensed, it falls back down as drops of water; this is what causes rain



2. The cold pan turns the vapor back to liquid (condenses it); this is what happens in clouds, which are cool

