

States of Matter

Key Vocabulary

State change,
evaporation,
condensation, clouds,
precipitation,
The Water Cycle,
solid, liquid, gas



Sticky Knowledge

- Evaporation is the same state change as boiling (liquid to gas), but it happens slowly at lower temperatures and only at the surface of the liquid.
- Evaporation happens more quickly if the temperature is higher, the liquid is spread out or it is windy.
- Condensation is the change back from a gas to a liquid caused by cooling.
- Water at the surface of seas, rivers etc. evaporates into water vapour (a gas). This rises, cools and condenses back into a liquid forming clouds.
- When too much water has condensed, the water droplets in the cloud get too heavy and fall back down as rain, snow, sleet etc. and drain back into rivers etc. This is known as precipitation.

I already know:

- Distinguish between an object and the material from which it is made.
- Identify, name and group a variety of everyday materials based on their properties.
- Identify and compare the suitability of a variety of everyday materials for particular uses.
- Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

