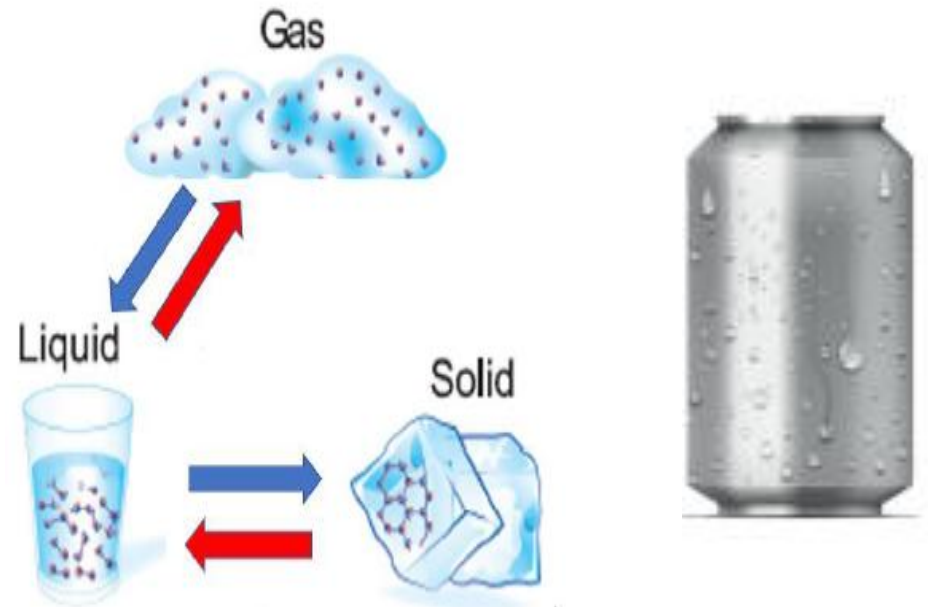


Science - Year 4 – Spring 2 and Summer 1 – What happens to a material when it changes between a solid, liquid and gas?

What I need to know by the end of this unit:

- To know that some materials can change state when they are heated or cooled.
- To know how to measure or research temperature using a thermometer.
- To know that different materials melt at different temperatures.
- To know the association between the rate of evaporation with temperature. Evaporation rate is faster when temperature is higher.
- To know condensation is the change of state from gas to liquid, caused by cooling.
- Evaporation and condensation are processes in the water cycle.
- To know that solids have a fixed shape and volume, liquids have no fixed shape and will take on the shape of the container they are transferred into. Gases have no fixed shape and no fixed volume.
- To know that some solids can be poured but they are not liquids.



Vocabulary Focus – Top 5!

- **Evaporation** – the change of state from a liquid to a gas, which happens slowly from the surface of the liquid
- **Condensation** – the change of state from a gas to a liquid
- **Precipitation** – solid or liquid water that falls from the atmosphere, in the form of rain, hail, sleet or snow.
- **States of matter** – the different forms that materials can take.
- **The water cycle** – the processes which recycle and move water around Earth.

Can you match these key words to the correct image on the right?

