

LKS2 Science Knowledge Organiser: States of Matter

Core Knowledge - By the end of this unit, I will be able to:

1. Identify solids, liquids and gases.
2. Carry out an investigation using observation and communication skills.
3. Recognise differences in temperature and the process of heating and cooling.
4. Identify evaporation and condensation in the water cycle.
5. Plan and carry out a fair test demonstrating evaporation.
6. Present our learning on the topic of States of Matter.

What I have already learned in Science:

I have learned to describe the simple physical properties of everyday materials. To find out how the shapes of solid objects can be changed.

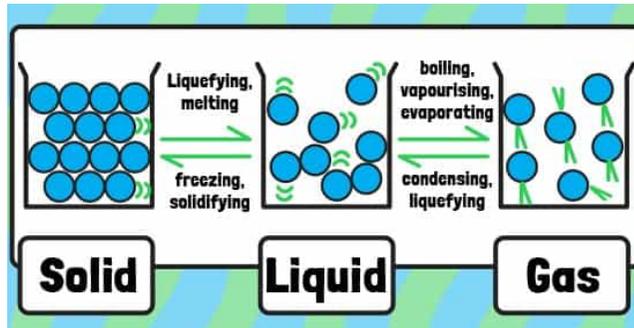
Key Vocabulary & Scientific terms

States of matter	Materials can be one of three states: solids, liquids or gases. Some materials can change from one state to another and back again.
Solids	These are materials that keep their shape unless a force is applied to them.
Liquids	Liquids take the shape of their container. They can change shape but do not change the amount of space they take up.
Gases	A metal alloy made from a mixture of copper and tin.
Evaporate	Turn a liquid into a gas.
Condense	Turn a gas into a liquid.
Precipitation	Liquid or solid particles that fall from a cloud as rain, sleet, hail or snow.
The Water Cycle	Condensation and evaporation occur within the water cycle.

The Water Cycle:



Changing States:



The three States of Matter:

