

Potions

(States of Matter)

Key Knowledge

- To understand the properties of solids, liquids and gases.
- To recognise how temperature can change states of matter, for example when they are heated or cooled.
- To understand the process of evaporation and condensation.
- To understand the different stages in the water cycle.

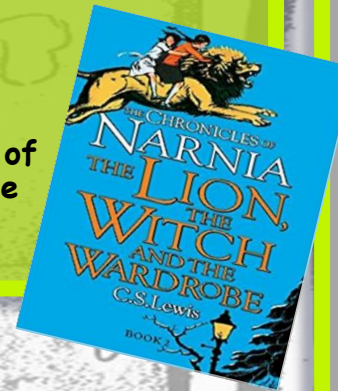
Big Q: How can matter change?

- What are 'states of matter'?
- What causes matter to change state?
- How can we describe the processes of evaporation and condensation?
- What is the water cycle?

Text:

The Lion, the Witch and the Wardrobe
By C.S. Lewis

They open a door and enter a magical world. Four adventurers step through a wardrobe door and into the land of Narnia- a world enslaved by the power of the White Witch. When almost all hope is lost, the return of the Great Lion, Aslan, signals of a great change...and a great sacrifice



The Water Cycle

STATE OF MATTER



Experiences and Visits

Hindu Day – 23rd Sept

Goose Fair Day – 26th Sept

Magna Science and Adventure Centre –
30th Sept

Key Vocab

water vapour	This is water in the form of vapour or a gas.
solid	A solid is a substance which keeps its size or shape.
liquid	A form of matter that flows easily. Liquid can take on the shape of any container it is poured into.
gas	This is another state of matter. Gases have no fixed shape or volume.
condensation	This is the process of a vapour or gas changing to a liquid.
evaporation	This is the process of a liquid turning into vapour or gas.
freeze	A liquid changing into ice or another solid.
temperature	Temperature is a measure of hotness or coldness. It can be shown by a thermometer or felt by touch.
melt	To change from a solid to a liquid usually through the action of heat.
boil	When a liquid is heated until it becomes a gas, this is called boiling.