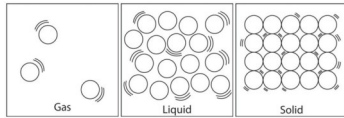

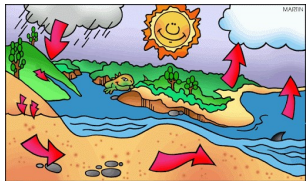




Upperby Primary School - SCIENCE Knowledge Organiser

YEAR 3 & 4 - STATES OF MATTER (Spring)

Key Questions			Vocabulary	
What are states of matter?	Most materials exist in 3 states: solid, liquid or gas.		State	The condition of a material, solid, liquid or gas.
What happens when some materials are heated or cooled?	You can change a material from one state to another by heating it up or cooling it down. This is called freezing, melting, evaporating and condensing.	<p>STATES OF MATTER</p> 	Solid	Solids keep their shape unless they are cut or shaped.
What is the water cycle?	Water in oceans, lakes and rivers is heated by the sun and evaporates into clouds. The water condenses in the air and falls as rain or snow back into the rivers and oceans.		Liquid	Liquids take the shape of their container.
			Gas	Gases expand to fill the container they are in.
			Melting	Changing from solid to liquid by heating up.
			Melting point	The temperature at which a solid melts.
			Freezing	Changing from liquid to solid by cooling down.
			Freezing point	The temperature at which a liquid freezes.
			Evaporation	Changing from liquid to gas by heating up.
			Condensation	Changing from gas to liquid by cooling down.
End of unit task	What will I know at the end of the unit?			
<p>I will sort and classify solids, liquids and gases</p> <p>I will explain what will happen to water when it heated and cooled.</p>	<ul style="list-style-type: none"> • Group materials in solids, liquids and gases. • Some materials change state when heated or cooled. • Explain how water evaporates and condenses in the water cycle. 			