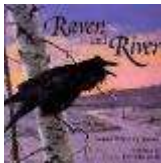

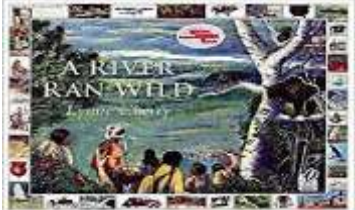


# States Of Matter KS2 Knowledge Mat

Subject Specific Vocabulary		Sticky Knowledge	Exciting Books
<b>solid</b>	An object that keeps its shape and the particles are close together.	- Did you know that the water you've just swallowed is the same water that woolly mammoths, King Tutankhamun and the first humans drank? That's because Earth has been recycling water for over <b>4 billion years!</b>	  
<b>liquid</b>	It flows and takes the shape of its container and the particles are close together but can move.	- Joseph Priestly was the first to invent fizzy drink in 1767.	
<b>gas</b>	It has no fixed shape and the particles move freely.	- 75% of the Earth's surface is covered with water and only 1% is accessible for humans to drink.	
<b>condensation</b>	When water vapour turns into liquid.	- Did you know that water controls the temperature of the earth as well as the human body?	
<b>evaporation</b>	When liquid turns into vapour.		
<b>precipitation</b>	When water or snow fall from a cloud.	What I need to know:	
<b>heating</b>	To make an object hotter.	- To categorise solids, liquids and gas according to their properties.	Important
<b>cooling</b>	To make an object colder.	- To know what happens to materials when they are heated or cooled.	- There are 3 states of matter: solid, liquid and gas.
<b>Water cycle</b>	The endless process that connects all of the water on Earth.	-To know what evaporation and condensation are.	- The boiling point of water is 100 °C.
<b>temperature</b>	To measure how hot or cold something is.	- To know the stages of the Water Cycle.	- The freezing point of water is 0 °C.
<b>degrees (°C)</b>	A unit that temperature is measured in.		