

solid



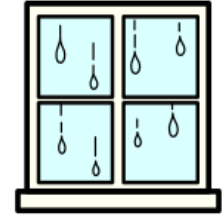
liquid



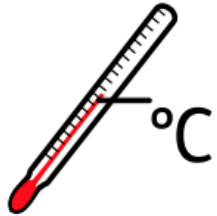
gas



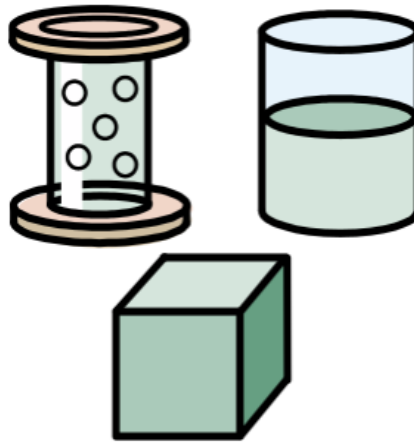
evaporation



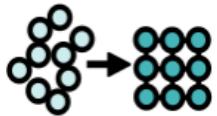
condensation



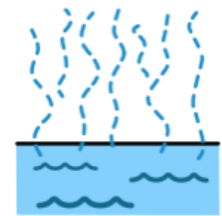
temperature



States of Matter



solidify



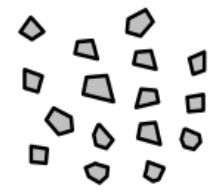
water vapour



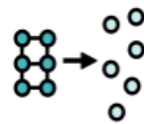
water cycle



precipitation



particles



changing
state




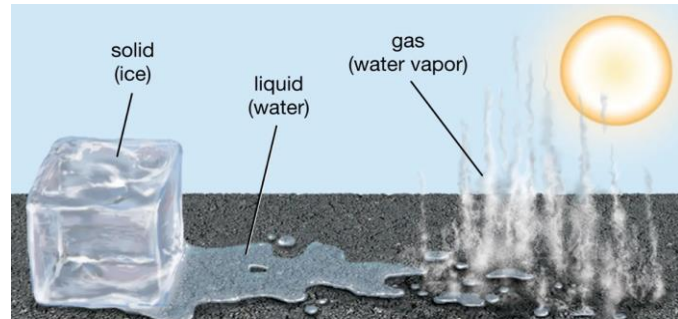
83°

degrees
Celsius



thermometer

Y4 Science: States of Matter - Topic Vocabulary Mat

Subject Specific Vocabulary		Relevant Pictures	Exciting Books/Websites
solids	Objects that keep their own shape and do not flow in a given temperature.	 	Book: The Solid Truth About States of Matter 
liquid	Liquids do not have a fixed shape, but they do have a fixed volume. This means they spread out to fill a container when they are placed in it.		https://www.bbc.co.uk/bitesize/topics/zkqg87h/articles/zsqwwxs https://learning.sciencemuseumgroup.org.uk/topic/states-of-matter/ https://wowscience.co.uk/resource/solids-liquids-and-gases/
gas	Air-like substances that can move around freely or they might flow to fit a container. They do not have a shape either.		
evaporation	The process by which water changes from a liquid to a gas or vapour.		
condensation	The process by which water vapour or gas changes back to liquid water.		
changing state	The term used to describe the process of one state of matter (solid, liquid or gas) changing to another.		Other information 
reversible	A change that can be undone, for example - ice can be heated to return to liquid form. Changes that cannot be reversed are irreversible.	What I've learnt already Y3: <ul style="list-style-type: none">• Rock is a naturally occurring material.• Rocks can be hard or soft. They have different sizes of grain or crystal. Y2: <ul style="list-style-type: none">• Some materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard are particularly suited to specific purposes• The shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. Y1: <ul style="list-style-type: none">• Different materials can share the same properties.	Key Knowledge <ul style="list-style-type: none">• To know how to distinguish between a solid, liquid and gas.• To know that some materials change state when they are heated or cooled.• To know the temperature at which ice, water and water vapour change state.• To know the part played by evaporation and condensation in the water cycle.
precipitation	The release of water from the sky, it can be liquid or solid, for example, rain, sleet, hail and snow.		
solidify	When liquid solidifies or is solidified, it changes into a solid.		