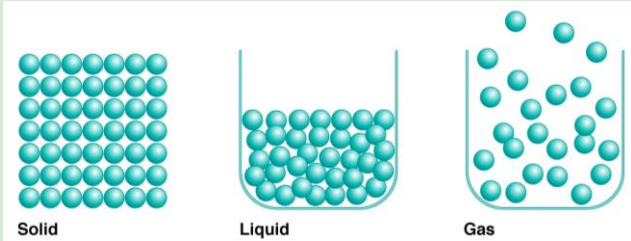


Knowledge Organiser: Year 4 Science: States of Matter

Hethersett Woodside Primary & Nursery



I already know ...	That different items have different physical properties and they can be grouped accordingly.	
New Knowledge	We will learn how to compare and group materials together, according to whether they are solids, liquids or gases. We will observe that some materials change state when they are heated or cooled, looking at the impact on temperature in degrees Celsius. We will also look at evaporation and condensation in the water cycle.	
Key Vocabulary	This means ...	
solid	Molecules are arranged in a regular, repeated pattern. They are held firmly in place but vibrate within a limited area.	 <p>Solid Liquid Gas</p>
liquid	Molecules flow easily around one another and fill the space of the container they are in.	
gas	Molecules move in all directions at speed and are very far apart.	
molecules	Two or more atoms joined tightly together. The number and kind of atoms in a molecule and the way they are arranged determine what substance it makes.	
condense	The change from a gas to a liquid.	
evaporate	The change from a liquid into a vapour/gas.	
freeze	The change from a liquid to a solid.	