Vocabulary		Key Knowledge		States of Matter		
matter	Any solid, liquid or gas that exists in the universe	Reversible changes , such as mixing and dissolving solids and liquids together, can be reversed by:		solid	liquid	gas
particle	A very small piece of matter					
properties	A quality in a substance or material, especially one that means it can be used in a particular way.	Sieving	Smaller materials are able to fall through the holes in the sieve,	rigid	not rigid	not rigid
chemistry	the study of the structure of substances		separating them from larger particles.	 fixed shape fixed volume 	 no fixed shape fixed volume 	e ono fixed shape no fixed volume
physics	branch of science concerned with the nature and properties of matter and energy	Filtering	The solid particles will get caught in the filter paper but the liquid will be able to get through.	cannot be squashed Solid (at room	cannot be squashed	can be squashed Gas (at room
thermal	relating to or caused by heat or by changes in temperature			temperature) Wood	temperature) water	temperature) oxygen
conductivity	a measure of the ability of a substance to conduct heat or electricity			Iron Copper Plastic	milk blood oil	carbon dioxide nitrogen steam
insulation	is a thick layer of a substance that keeps something warm, esp ecially a building, or cold	Evaporating	The liquid changes into a gas, leaving the solid particles behind.	Water—How It Changes State melting evaporating H E AT I N G Ice Image: Water in the		
dissolvable	If a substance dissolves in liquid or if you dissolve it, it becomes mixed with the liquid and disappears.	ar ar				
Insoluble	If a substance is insoluble , it does not dissolve in a liquid.	product being ma (reactants). For ex	nges often result in a new ade from the old materials xample, burning wood			
Saturation point	the point at which no more can be absorbed or dissolved	produces ash. Miz	king vinegar and milk plastic.			
Filtering	To filter a substance means to pass it through a device which is designed to remove certain particles contained in it.			fr	COOLING reezing condensing	