	Question	Answer
	What is all matter made from?	Particles
	Name the three states of matter	Solid, liquid and gas
	Which state(s) of matter can be compressed?	Gas
	Which state(s) of matter can flow?	Gas and liquid
	Which state(s) of matter have a fixed shape?	Solid
	Which state(s) of matter have particles that touch?	Solid and liquid
	Which state(s) of matter have particles that are in	Solid
	a fixed position?	
	Which state(s) of matter have particles that can	Liquid and gas
	move past each other?	
	Which state(s) of matter have particles that can	Gas
	move freely in any direction?	
	What do you call the process solid \rightarrow liquid?	Melting
	What do you call the process liquid \rightarrow solid?	Freezing
	What do you call the process liquid \rightarrow gas?	Boiling (or evaporation)
	What change in state occurs during condensation?	Gas → liquid
	What is the difference between boiling and	Boiling only happens at the boiling point and involves
	evaporation?	bubbles of gas forming inside the liquid. Evaporation
		happens at all temperatures and involves particles
		escaping from the surface.
	What is diffusion?	The spreading out of particles from a place where there
		are lots of them to a place where there are less of them
	Which two states of matter does diffusion happen	Liquids and gases
	in?	
	What two factors affect the speed of diffusion?	Temperature and particle size
	What causes gas pressure?	Gas particles hitting the sides of the container
	How can gas pressure be increased?	Add more particles or heat up the gas
	What are particles made from?	Atoms
	What is a pure substance?	A material where all the particles are the same
	What is a mixture?	A material made from different types of particles
	How can you identify pure substances?	From their melting or boiling points
	What is a solution made from?	A solute dissolved in a solvent
	Identify the solute in salt water	Salt
	Identify the solvent in salt water	Water
	What happens to the solute particles when they	They separate from each other and mix into the solvent
	dissolve?	particles
	How can you speed up dissolving?	Stir or increase the temperature
 	Salt is soluble in water, what does this mean?	Salt will dissolve in water
	Sand is insoluble in water, what does this mean?	Sand will not dissolve in water
	The maximum mass of solute that will dissolve in	Solubility
	100g of water is called its	Filtration
	How can you separate a liquid from an insoluble solid?	riidadoli
	How can you separate a solute from a solution?	Evaporation
	How can you separate a solvent from a solution?	Distillation
	How can you separate a mixture of solutes all in	Chromatography
	the same solution?	
	Which solutes travel furthest up the	The ones that are most soluble
	chromatography paper?	
	cinomatography paper:	