So	lids, liquids and gases	
	List the properties of solids	 Fixed shape Fixed size Cannot be compressed (squashed)
2.	List the properties of liquids	 Fixed volume Fluid / can move Take the shape of their container Cannot be compressed (squashed)
3.	List the properties of gases	 Take the shape of their container Fill their container Fluid/ can move Can be compressed
Th	e particle model	
1.	Draw 6 particles in a solid	888
2.	Draw 6 particles in a liquid	
3.	Draw 6 particles in a gas	
4.	Describe how the particles in a solid move	Vibrate on the spot
5.	Describe how the particles in a liquid move	They can move from place to place
6.	Describe how the particles in a gas move	Very fast and randomly
7.	Explain why solids and liquids cannot be compressed but gases can	 There are no spaces between the particles in solids and liquids There are spaces between the particles in gases
Me	elting and freezing	
1.	What is it called when a solid changes into a liquid?	Melting
2.	What is it called when a liquid changes into a solid?	Freezing
3.	How do you make a solid melt?	Heat it
4.	How do you make a liquid turn into a solid?	Cool it down
5.	What happens to the particles when a solid melts?	They get more energySo move more and move further

6.	What happens to the particles when a liquid freezes?	They have less energySo move lessAnd move closer together			
Evporating and condensing					
1.	What is it called when a liquid changes into a gas?	Evaporation			
2.	What is it called when a gas changes into a liquid?	Condensation			
3.	How do you make a liquid evaporate?	Heat it			
4.	How do you make a gas turn into a liquid?	Cool it down			
5.	What happens to the particles when a liquid evaporates?	They get more energySo move more and move futher apart			
6.	What happens to the particles when a gas condenses?	They have less energySo move less nd move closer together			
Di	ffusion				
1.	State an example of diffusion	Any smell spreading from 1 place to another, e.g. perfume or food			
2.	Describe what is happening during diffusion, in terms of particles	 Particles are moving From a high concentration to a lower concentration 			
So	luble and insoluble				
	What do we say has happened to a solid when it breaks up so we can't see it in a liquid?	It has dissolved			
1.	What do we say has happened to a solid when it breaks up so we can't see it in a	It has dissolved It will dissolve			
2.	What do we say has happened to a solid when it breaks up so we can't see it in a liquid?				
1. 2. 3.	What do we say has happened to a solid when it breaks up so we can't see it in a liquid? What does soluble mean?	It will dissolve			
1. 2. 3.	What do we say has happened to a solid when it breaks up so we can't see it in a liquid? What does soluble mean? What does insoluble mean?	It will dissolve			
2. 3. So 1.	What do we say has happened to a solid when it breaks up so we can't see it in a liquid? What does soluble mean? What does insoluble mean? Uutions What do we call the liquid a solid	It will dissolve It won't dissolve			
2. 3. So 1.	What do we say has happened to a solid when it breaks up so we can't see it in a liquid? What does soluble mean? What does insoluble mean? Ulutions What do we call the liquid a solid dissolves in? What do we call the solid that has	It will dissolve It won't dissolve Solvent			
2. 3. So 1. 2. 3.	What do we say has happened to a solid when it breaks up so we can't see it in a liquid? What does soluble mean? What does insoluble mean? Ulutions What do we call the liquid a solid dissolves in? What do we call the solid that has dissolved? What do we call the mixture made when	It will dissolve It won't dissolve Solvent Solute			

6. How do we describe a solution when no more solid can dissolve in it?	Saturated
Filtering	
Name the method of separating we use to separate a solid that hasn't dissolved from a liquid	Filtering
2. Label the diagram below	1. Funnel
1 2 3	2. Filter paper3. Residue/ solid
	4. Conical flask
4	5. Filtrate/ liquid/ water
5	
3. Explain how filtering separates the mixture	 The liquid particles are small enough to fit through the filter paper The solid particles are too big to fit throught filter paper
Evaporation	
Name the method of separating we use to separate a solid that has dissolved from a liquid	Evaporation
2. Label the diagram below	
1	1. Evaporating dish
3	2. Gauze
4	3. Tripod4. Bunsen burner
3. Explain how evaporation separates the mixture	 The liquid particles turn into a gas and leave the mixture The solid particles do not evaporate so are left in the evaporating dish

Chromatography		
1.	Name the method we use to separate a mixure of coloured inks	Chromatography
2.		 Chromatography paper Pencil line Water/ solvent Ink you are testing