



Model of Matter Progress Check

Name

Date

	Learning Outcomes	✓😊	?😐	✗😞
L2	<i>I can state that solids, liquids, and gases are the three states of matter, and define all substances as being either a solid, liquid, or gas.</i>			
	<i>I can describe the following changes of state: freezing, melting, evaporating, condensing</i>			
	<i>I can use the terms soluble, insoluble, dissolve and solution correctly</i>			
	<i>I can describe how heat can affect the rate of dissolving.</i>			
	<i>I can describe how particle size affects rate of dissolving.</i>			
	<i>I can select the most appropriate practical technique for separating mixtures such as sieving, filtering, using a magnet, evaporating etc</i>			
1	I can describe how the particles are arranged in solids, liquids, and gases.			
2	I can use my ideas about particles to explain the properties of solids, liquids, and gases.			
3	I can state that a solid turning directly to gas is called subliming, and a gas turning back to solid is called reverse subliming.			
4	I can use my knowledge of particles to explain what happens when solids melt, liquids freeze or evaporate, and gases condense.			
5	I can describe everyday examples of changes of state and explain why they happen.			
6	I have carried out experiments to show that solids, liquids and gases expand when they are heated			
7	I can use my knowledge of particles to explain why solids, liquids and gases expand when heated			
8	* I can state that air pressure is caused by moving gas particles, and can explain why heating increases pressure and cooling decreases pressure.			
9	I can separate mixtures of substances by identifying differences in properties like solubility,			

	magnetism, state, particle size, boiling point and solubility			
10	I can describe how distillation can be used to separate of a mixture of liquids with different boiling points. E.g ethanol and water			
11	I can separate a mixture of dyes using chromatography.			
12	I can state that chromatography works because some dyes are more soluble than others.			
13	I can state definitions of each of the keywords: solute, solvent, solution, soluble, insoluble, saturated solution			
14	I can use each of the key words appropriately when describing experiments or everyday examples			
15	I can use my knowledge of particles to explain what happens to solids when they dissolve.			
16	I can describe how to carry out a fair test.			
17	I have carried out an experiment to compare the solubility of a solute in various solvents, and recognize that not all solvents will dissolve the same solute.			

In this topic I have successfully.....

To make further progress I should.....

Target: In the next topic I will.....