



Model of Matter Progress Check

Name

Date

| | Learning Outcomes | ✓😊 | ?😐 | ✗😞 |
|----|--|----|----|----|
| 1 | 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. | | | |
| 2 | I can state some properties of solids liquids and gases, including their density, volume, ability to flow, shape, and ability to diffuse. | | | |
| 3 | I can explain how the particles are arranged in solids, liquids, and gases. | | | |
| 4 | I can use my ideas about particles to explain the properties of solids, liquids, and gases. | | | |
| 5 | I can describe the following changes of state: freezing, melting, evaporating, condensing, *subliming, *reverse subliming. | | | |
| 6 | I can use my knowledge of particles to explain what happens when solids melt, liquids freeze or evaporate, and gases condense. | | | |
| 7 | I can give some everyday examples of changes of state and explain why they happen. | | | |
| 8 | I have carried out experiments to show that solids, liquids and gases expand when they are heated | | | |
| 9 | I can use my knowledge of particles to explain why solids, liquids and gases expand when heated | | | |
| 10 | * I can state that air pressure is caused by moving gas particles, and can explain why heating increases pressure and cooling decreases pressure. | | | |
| 11 | I can separate mixtures of substances by identifying differences in properties like solubility, magnetism, state, and particle size. | | | |
| 12 | I can define the following key terms: solute, solvent, solution, soluble, insoluble, saturated solution | | | |
| 13 | I can use my knowledge of particles to explain what happens to solids when they dissolve. | | | |
| 14 | I can explain how to carry out a fair test. | | | |
| 15 | I can describe the effect increasing temperature has on the solubility of solids. | | | |
| 16 | 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.....