

Grade	Knowledge	Before	During	After
7.9	I can evaluate the particle theory model, identifying strengths and weaknesses in the model.			
7.8				
7.7	I can use the particle model to explain diffusion. I can use a particle diagram to explain how gas pressure can be increased or decreased. I can use a particle diagram to explain how a substance changes state including energy.			
7.6	I can explain what gas pressure is. I can explain how energy stored by particles is related to their state (qualitative).			
7.5	I can describe how particle arrangement and movement changes during a change of state. I can describe how much energy each state of matter has and the strength of forces between these particles.			
7.4	I can describe what happens to the arrangement and movement of particles during a state change. I can describe how particles are arranged in solids, liquids and gases. I can describe diffusion I can describe what Brownian motion is.			
7.3	I can give examples of changes of state. I can give basic examples of solids, liquids and gases.			
7.2	I can say what energy is. I can define what a change of state is. I can define solid, liquid and gas by stating or showing how their particles are arranged.			
7.1	I can remember that there are three states of matter. I can remember what a material is.			

