

Prior Learning				
Lesson Number	Title	Lesson Content	Key Words	Assessment/Homework
1	Solids, liquids and gases	<ul style="list-style-type: none"> <li>Names the three states of matter and provide examples</li> <li>Describe the arrangements of particles in the three states of matter</li> </ul>	<ul style="list-style-type: none"> <li>States of matter</li> <li>Solid</li> <li>Liquid</li> <li>Gas</li> <li>Particles</li> </ul>	
2	Solids, liquids and gases properties	<ul style="list-style-type: none"> <li>Describe the properties of the three states of matter</li> <li>Use the particle theory to explain the properties of solids, liquids and gases</li> </ul>		
3 (allow 2 lessons)	Diffusion	<ul style="list-style-type: none"> <li>State what diffusion is</li> <li>Describe diffusion in terms of particles</li> <li>Use the particle model to explain why diffusion is faster in some materials compared to others</li> </ul>	Diffusion	Carry out a practical looking at how temperature affects the rate of diffusion focusing on highlighting variables.
4	Air pressure	<ul style="list-style-type: none"> <li>State what gas pressure is</li> <li>Describe how particles are able to cause pressure</li> </ul>		
<b>End of unit test</b>				
<b>Where we will use these ideas again</b>		<b>Diffusion is used in breathing and respiration and extensively in KS4 Biology. States of matter links to fluids in Y8 as well as density and gas pressure in KS4 Physics.</b>		