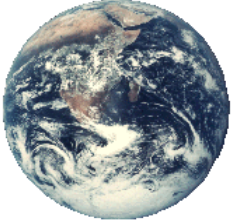

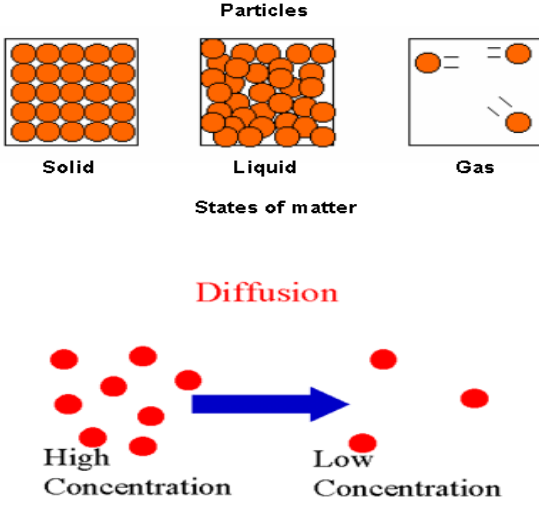
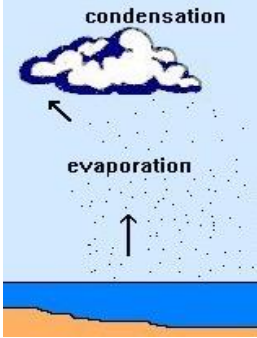
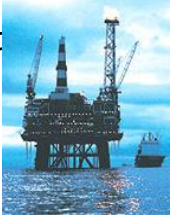







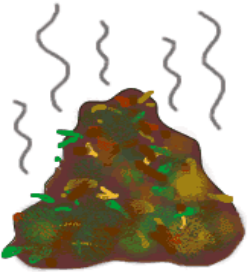


Y5: States of Matter: Gases

<h2>Glossary</h2>	<p>The air of planet earth is a mixture of gases 70% of which is nitrogen.</p> 	<p>Helium gas filled balloons float because helium is lighter than air.</p> 	<p>States of matter</p> <p>Particles</p> 	<p>Water vapour is a gas it condenses back into a liquid to form clouds.</p> 	<p>helium – a gas which is lighter than air which is used to fill balloons</p> <p>methane – a gas produced by rotting food and vegetable matter – may be used as a fuel</p> <p>natural gas – a gas found under the ground which is used for fuel in homes and businesses</p> <p>nitrogen – the colourless, odourless gas that forms 70% of the air</p> <p>odour – the smell of a gas</p>
<p>air – a mixture of gases present in the atmosphere of the Earth</p>					
<p>anaesthetic gas – a gas used in hospitals to cause a patient to be unconscious during an operation.</p>					
<p>carbon dioxide – a common gas produced by living things when they use energy</p>	<p>Natural gas is found underground and is used as a fuel. Burning fuels produce carbon dioxide. Here are some other fuels.</p> 				
<p>compressed air – air which is filled into tanks under pressure such that it takes up a much smaller space</p>					
<p>condensation – the process of change from a gas to a liquid to condense - verb</p>			<p>Trees and other green plants make their own food. They produce oxygen when they make energy.</p> 	<p>Anaesthetic gas</p> 	<p>oxygen – a common gas found in the air. It is essential for life</p>
<p>diffusion – the process of movement of gas particles to diffuse - verb</p>	  <p>Fuels</p>  				
<p>evaporation – the process of change from a liquid into a gas to evaporate - verb</p>					
<p>fuel – a source of energy e.g. gas, wood, coal, food</p>					
<p>gap – the unfilled space between particles</p>					
<p>gas – one of the three states of matter. Gases move to fill any available space</p>					
			<p>This cylinder contains compressed air.</p> 	<p>Methane gas</p> 	<p>particle – very small pieces of a material – the particles of a gas are too small to see, even with a microscope</p> <p>states of matter – all material exists in three states – solid, liquid and gas</p> <p>volume – the space taken up by a gas</p> <p>water vapour – the gaseous form of water</p>