



You will learn about:

Properties of matter and changes of state. You will study the internal energy of matter which leads to deeper understanding of specific heat capacity raised in the energy unit. You will learn about latent heat of materials and the motion of particles in gases.

You will be able to:

Calculate the density of matter in regular and irregular shapes. You will be able to recall and use equations to find the specific heat capacity and latent heat capacity of different mediums.

<table border="1"> <tr> <td>Key learning points</td> <td></td> </tr> <tr> <td>Density</td> <td></td> </tr> <tr> <td>Archimedes</td> <td></td> </tr> <tr> <td>Changes of state</td> <td></td> </tr> <tr> <td>Specific heat capacity</td> <td></td> </tr> <tr> <td>Latent heat</td> <td></td> </tr> <tr> <td>Particle motion in gas</td> <td></td> </tr> <tr> <td>Increasing pressure in gas</td> <td></td> </tr> </table>	Key learning points		Density		Archimedes		Changes of state		Specific heat capacity		Latent heat		Particle motion in gas		Increasing pressure in gas		<p style="text-align: center;">Key Words</p> <p> Condense Evaporate Freeze Melt Sublimate Internal energy Specific heat capacity Latent heat Specific latent heat of fusion Specific latent heat of vaporisation Gas pressure Bonds Density Gas Liquid Solid Boil Changes of state </p>
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<p>Links to other subjects:</p> <p>SMSC The influence of ancient Greece on the scientific method.</p> <p>Numeracy Rearranging equation. Substituting numerical values into equations using appropriate units. Interpretation of graphs.</p> <p>Literacy Describe observations in practical work.</p>																	