

**Page numbers refer to pages in revision guide**

<b>Topic 1 - The nature of substances and chemical reactions</b> <ul style="list-style-type: none"><li>- Atoms</li><li>- Representing atoms</li><li>- Elements</li><li>- Compounds</li><li>- Using chemical formulae</li><li>- Chemical reactions</li><li>- Ionic compounds</li><li>- Isotopes</li><li>- Relative atomic mass (<math>A_r</math>)</li><li>- Relative molecular mass (<math>M_r</math>)</li><li>- Percentage (%) composition of compounds</li><li>- Chemical equations</li><li>- Moles</li><li>- Calculations</li><li>- Mixtures</li><li>- Chemical reactions</li></ul>	<b>1 -14</b>
<b>Topic 2 - Atomic structure &amp; the periodic table</b> <ul style="list-style-type: none"><li>- The periodic table</li><li>- Electronic structure</li><li>- Group 1</li><li>- Group 7</li><li>- Identifying hydrogen gas</li><li>- Identifying ions</li><li>- Group 0</li></ul>	<b>15-24</b>
<b>Topic 3 - Water</b> <ul style="list-style-type: none"><li>- What's in our water?</li><li>- Sustainable water supply</li><li>- Treatment of public water</li><li>- Desalination of sea water</li><li>- Fluoridation</li><li>- Solubility</li><li>- Hard and soft water</li><li>- The health benefits of hard water and its negative effects</li></ul>	<b>25-29</b>