

Triple Unit Overview – Chemical changes

Target grade for test:.....



You will learn about:

- The reactivity series and how we can use this commercially.
- Neutralisation, Oxidation and reduction reactions.
- Electrolysis.

You will be able to:

- Prepare samples of pure, dry and soluble salts.

<table border="1"> <tr> <td colspan="2">Key learning points</td> <td></td> </tr> <tr> <td colspan="2">Reactivity series and metal oxides</td> <td></td> </tr> <tr> <td colspan="2">Extracting metals</td> <td></td> </tr> <tr> <td colspan="2">Oxidation and reduction</td> <td></td> </tr> <tr> <td colspan="2">Metals and acids</td> <td></td> </tr> <tr> <td colspan="2">Neutralisation and the pH scale</td> <td></td> </tr> <tr> <td colspan="2">RP preparing salts</td> <td></td> </tr> <tr> <td colspan="2">Strong and weak acids</td> <td></td> </tr> <tr> <td colspan="2">Electrolysis and half equations</td> <td></td> </tr> <tr> <td colspan="2">Electron transfer and reactivity</td> <td></td> </tr> </table>					Key learning points			Reactivity series and metal oxides			Extracting metals			Oxidation and reduction			Metals and acids			Neutralisation and the pH scale			RP preparing salts			Strong and weak acids			Electrolysis and half equations			Electron transfer and reactivity			<p style="text-align: center;">Key Words</p> <p> Reactivity series Oxidation Reduction Metals Acid Alkali Neutral Neutralisation Salt Blast furnace Electrolysis Electrolyte Cathode Anode </p>	
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<p>Links to other subjects:</p> <p>SMSC: Understand and appreciate the impacts of human development on the environment and describe the effects that this is having.</p> <p>Literacy: Describe observations in practical work. Explain the development of periodic table and the structure of the atom. Describe how reactivity and trends are linked to position in the periodic table.</p> <p>Numeracy: Use decimal and standard form, make simple calculations, use appropriate significant figures, construct tables and histograms, visualise and represent models in a 2D form and change the subject of an equation.</p>																																				
Research	Note-making	Group work & discussion	Memorisation	Precision & accuracy	Independence	Reflection																														