

AQA Chemistry - Paper 1 - <a href="#">Whole topic video</a> , <a href="#">Whole topic Questions video</a>				
<a href="#">Practice exam questions</a>	Resources	R	A	G
<a href="#">5.1 - Atomic structure and the periodic table.</a>	<a href="#">Knowledge Organiser</a>			
<b>5.1.1 A simple model of the atom, symbols, relative atomic mass, electronic charge and isotopes</b> Atoms elements and compounds Mixtures The development of the atomic model Relative charges of subatomic particles size and mass of atoms size and mass of atoms relative atomic mass Electronic structure	<a href="#">Notes</a>			
<b>5.1.2 The periodic table</b> The periodic table Development of the periodic table Metals and non metals Group 0 Group 1 Group 7	<a href="#">Questions video</a>			
<a href="#">5.2 - Chemical Bonding</a>	<a href="#">Knowledge Organiser</a>			
<b>5.2.1 Chemical bonds, ionic, covalent and metallic</b> Chemical bonds Ionic bonding Ionic compounds Covalent bonding Metallic bonding	<a href="#">Notes</a>			
<b>5.2.2 How bonding and structure are related to the properties of substances</b> The three states of matter	<a href="#">Questions video</a>			

## Combined Science Trilogy Chemistry P1 Checklist

State symbols Properties of ionic compounds Properties of small molecules polymers Giant covalent structures Properties of metals and alloys Metals as conductors				
<b>5.2.3 - Structure and bonding of carbon</b> Diamond Graphit Graphenes and fullerenes				
<a href="#">5.3 - Quantitative Chemistry</a>	<a href="#">Knowledge Organiser</a>			
<b>5.3.1 Chemical measurements, conservation of mass and the quantitative interpretation</b> Conservation of mass and balanced equations Relative formula mass Mass change when a reactant or product is a gas Chemical measurements	<a href="#">Notes</a>			
<b>5.3.2 Use of amount of substance in relation to masses of pure substances</b> Moles HT Amounts of substances in equations HT Using moles to balance equations HT Limiting reactants HT Concentration of solutions	<a href="#">Questions video</a>			
<a href="#">5.4 - Chemical Change</a>	<a href="#">Knowledge Organiser</a>			
<b>5.4.1 Reactivity of metals</b> Metal oxides The reactivity series Extraction of metals and reduction Oxidation in terms of electrons HT	<a href="#">Notes</a>			
<b>5.4.2 Reactions of acids</b> Reactions of metals with acids	<a href="#">Questions video</a>			



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Neutralisation of acids and salt production Soluble salts The pH scale and neutralisation Strong and weak acids HT				
<b>5.4.3 Electrolysis</b> The process of electrolysis Electrolysis of molten ionic compounds Using electrolysis to extract metals Electrolysis of aqueous solutions Half equations HT				
<a href="#">5.5 - Energy changes</a>	<a href="#">-Knowledge Organiser</a>			
<b>5.5.1 Exothermic and endothermic reactions</b> Energy transfer - endo and exothermic Reaction profiles The energy change of reactions HT	<a href="#">Questions video</a>			

