



Science Combined (Chemistry) Homework - Year 11  
Autumn 1 - Predicting & Identifying Reactions & Products

Retrieval	Reading	Rewarding
<p>1. Quizzes 43 and 44 <b>The Group 1 Metals</b></p> <p>Answers to quizzes 43 and 44</p>	<p>2. <b>HIGHER TIER Revision guide</b> Questions to match revision guide page 122 <b>Group 1</b> <b>HIGHER TIER Revision guide</b> Answers to questions from page 122 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide page 121 <b>Group 1</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from page 121</p>	<p>3. Research how caesium is obtained using electrolysis</p>
<p>4. Quizzes 46 and 47 <b>The Halogens</b></p> <p>Answers to quizzes 47 and 47</p>	<p>5. <b>HIGHER TIER Revision guide</b> Questions to match revision guide pages 123 and 124 <b>The Halogens</b> <b>HIGHER TIER Revision guide</b> Answers to questions from pages 123 and 124 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide page 122 and 123 <b>Group 7</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from page 122 and 123</p>	<p>6. Research how chlorine is used to make water safe to drink</p>



<p>7. Quiz 49 The Noble Gases and Quiz 51 <b>Metal Reactivity</b></p> <p>Answers to quizzes 49 and 50</p>	<p>8. <b>HIGHER TIER Revision guide</b> Questions to match revision guide pages 125 <b>Group 0</b> and 126 and 127 <b>Metal Reactivity</b> <b>HIGHER TIER Revision guide</b> Answers to questions from pages 125, 126 and 127 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide pages 124 and 125 <b>Group 0</b>, and 126 and 127 <b>Metal Reactivity</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 124, 125, 126 and 127</p>	<p>9. Research how zinc is used to galvanise steel</p>
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Science Combined (Chemistry) Homework - Year 11  
Autumn 2 - Monitoring & Controlling Chemical Reactions

Retrieval	Reading	Rewarding
<p>1. Quizzes 57 Reaction rates and 58 <b>Reaction Rates</b></p> <p>Answers to quizzes 57 and 58</p>	<p>2. <b>HIGHER TIER Revision guide</b> Questions to match revision guide pages 129-131 <b>Reaction rates and rate experiments</b> <b>HIGHER TIER Revision guide</b> Answers to questions from page 129-131 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide pages 128-130 <b>Reaction rates and rate experiments</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 128-130</p>	<p>3. Research how to stir fry food and why it saves time</p>
<p>4. Quizzes 59 Collision Theory and 60 <b>Collision Theory</b></p> <p>Answers to quizzes 59 and 60</p>	<p>5. <b>HIGHER TIER Revision guide</b> Questions to match revision guide pages 132-133 <b>Collision theory and catalysts</b> <b>HIGHER TIER Revision guide</b> Answers to questions from page 132-133 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide pages 131-133 <b>Collision theory and catalysts</b></p>	<p>6. Research how a catalytic converter works in a car exhaust system</p>



	<b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 131-133	
7. Quiz 61 <b>Reversible Reactions</b>  Answers to quiz 61	8. <b>HIGHER TIER Revision guide</b> Questions to match revision guide pages 134-135 <b>Dynamic equilibria and Le Chatelier</b> <b>HIGHER TIER Revision guide</b> Answers to questions from page 134-135 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide page 134 <b>Dynamic equilibria</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 134	9. Find out about the life of Fritz Haber and his links to the Haber process and World War I



Science Combined (Chemistry) Homework - Year 11  
Spring 1 - Global Challenges

Retrieval	Reading	Rewarding
<p>1. Quizzes 63 <b>Metal ores and extraction</b> and 64 <b>Metal ores and extraction</b></p> <p>Answers to quizzes 63 and 64</p>	<p>2. <b>HIGHER TIER Revision guide</b> Questions to match revision guide pages 137-138 <b>Metal extraction</b> <b>HIGHER TIER Revision guide</b> Answers to questions from page 137-138 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide pages 136-137 <b>Metal extraction</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 136-137</p>	<p>3. Research how titanium is extracted from the ore ilmenite</p>
<p>4. Quizzes 65 <b>Metal ores and extraction</b> and 67 <b>Crude Oil</b></p> <p>Answers to quizzes 65 and 67</p>	<p>5. <b>HIGHER TIER Revision guide</b> Questions to match revision guide page 141 <b>Crude Oil</b> <b>HIGHER TIER Revision guide</b> Answers to questions from page 141 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide pages 141 <b>Crude Oil</b></p>	<p>6. Research how a fractionating tower works</p>



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	<b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 141 <b>Crude Oil</b>	
7. Quiz 68 Crude oil and 69 <b>Hydrocarbons</b>  Answers to quiz 68 and 69	8. <b>HIGHER TIER Revision guide</b> Questions to match revision guide pages 142 <b>Hydrocarbons</b> <b>HIGHER TIER Revision guide</b> Answers to questions from page 142 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide page 142 <b>Hydrocarbons</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 142 <b>Hydrocarbons</b>	9. Research how technology is being used to develop hydrogen as a fuel instead of fossil fuels



Science Combined (Chemistry) Homework - Year 11  
Spring 2 - Global Challenges

Retrieval	Reading	Rewarding
<p>1. Quiz 73 <b>Cracking</b></p> <p>Answers to quiz 73</p>	<p>2. <b>HIGHER TIER Revision guide</b> Questions to match revision guide page 143 <b>Cracking</b> <b>HIGHER TIER Revision guide</b> Answers to questions from page 143 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide pages 143 <b>Cracking</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 143</p>	<p>3. Research why some people convert petrol cars to run on liquefied petroleum gas (LPG)</p>
<p>4. Quizzes 74 <b>Gases in the Air</b> and 76 <b>The Atmosphere</b></p> <p>Answers to quizzes 74 and 76</p>	<p>5. <b>HIGHER TIER Revision guide</b> Questions to match revision guide page 144-147 <b>The Atmosphere</b> <b>HIGHER TIER Revision guide</b> Answers to questions from pages 144-147 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide pages 144-147 <b>The Atmosphere</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 144-147</p>	<p>6. Research what CFCs are and how they damaged the ozone layer</p>



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<p>7. Quizzes 78 and 79 <b>Water Treatment</b></p> <p>Answers to quizzes 78 and 79</p>	<p>8. <b>HIGHER TIER Revision guide</b> Questions to match revision guide pages 148 <b>Water Treatment</b> <b>HIGHER TIER Revision guide</b> Answers to questions from page 148 <b>FOUNDATION TIER Revision guide</b> Questions to match revision guide page 148 <b>Water Treatment</b> <b>FOUNDATION TIER Revision guide</b> Answers to questions from pages 148</p>	<p>9. Research how carbon capture technology works to reduce emissions of carbon dioxide</p>
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