

**GCSE**

**Chemistry (Modular)**

**Module 21**

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**Aqueous & Organic Chemistry: Foundation Tier**

<b>Question No.</b>	<b>KEY</b>
One	1 – water (vapour) 2 – carbon 3 – carbon dioxide 4 – carbon monoxide
Two	1 – water 2 – chlorine 3 – ethanol 4 – ammonium nitrate
Three	1 – crystallise 2 – dissolve 3 – evaporate 4 – condense
Four	1 – water is passed through filter beds 2 – chlorine is added 3 – to kill any bacteria 4 – carbon dioxide is added under pressure
Five	1 – anhydrous iron chloride 2 – insoluble lead sulphate 3 – soluble zinc sulphate 4 – soluble sodium nitrate
Six	fish only survive if the water contains sufficient dissolved oxygen oxygen is carried around the body by the blood
Seven	ethanoic acid is a weak acid sodium hydroxide is fully ionised in water
Eight	8.1 – D, 8.2 – B, 8.3 – B, 8.4 – B
Nine	9.1 – A, 9.2 – A, 9.3 – C, 9.4 – B
Ten	10.1 – B, 10.2 – A, 10.3 – B, 10.4 – B

**Aqueous & Organic Chemistry: Higher Tier**

<b>Question No.</b>	<b>KEY</b>
One	1 – anhydrous iron chloride 2 – insoluble lead sulphate 3 – soluble zinc sulphate 4 – soluble sodium nitrate
Two	1 – citric acid 2 – methanoic acid 3 – phosphoric acid 4 – ethanoic acid
Three	ethanoic acid is a weak acid sodium hydroxide is fully ionised in water
Four	P Q
Five	5.1 – D, 5.2 – B, 5.3 – B, 5.4 – B
Six	6.1 – A, 6.2 – A, 6.3 – C, 6.4 – B
Seven	7.1 – B, 7.2 – A, 7.3 – B, 7.4 – B
Eight	8.1 – D, 8.2 – A, 8.3 – B, 8.4 – B
Nine	9.1 – A, 9.2 – D, 9.3 – B, 9.4 – B
Ten	10.1 – D, 10.2 – B, 10.3 – A, 10.4 – D