

GCSE

Chemistry (Modular)

Module 21

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Aqueous and Organic Chemistry : Foundation Tier

Question No.	KEY
One	1 – carbon dioxide 2 – carbon monoxide 3 – carbon 4 – hydrogen
Two	1 – nitrate ions 2 – calcium ions 3 – hydrogen ions 4 – hydroxide ions
Three	1 – enzymes 2 – sugar 3 – ethanol 4 – air
Four	1 – sodium hydroxide solution 2 – citric acid solution 3 – ammonia solution 4 – nitric acid solution
Five	1 – S 2 – R 3 – P 4 – Q
Six	animals and plants that live in water need dissolved oxygen chlorine dissolved in water kills bacteria
Seven	rain water contains dissolved oxygen and carbon dioxide rain water is always soft
Eight	8.1 – B, 8.2 – C, 8.3 – A, 8.4 – B
Nine	9.1 – D, 9.2 – B, 9.3 – A, 9.4 – B
Ten	10.1 – C, 10.2 – B, 10.3 – D, 10.4 – A

Aqueous and Organic Chemistry : Higher Tier

Question No.	KEY
One	1 – S 2 – R 3 – P 4 – Q
Two	1 – chloroethene 2 – poly(ethene) 3 – polyvinylchloride 4 – melamine
Three	rain water contains dissolved oxygen and carbon dioxide rain water is always soft
Four	ethene will react with steam to produce ethanol the alkenes are unsaturated hydrocarbons
Five	5.1 – B, 5.2 – C, 5.3 – A, 5.4 – B
Six	6.1 – D, 6.2 – B, 6.3 – A, 6.4 – B
Seven	7.1 – C, 7.2 – B, 7.3 – D, 7.4 – A
Eight	8.1 – B, 8.2 – D, 8.3 – C, 8.4 – A
Nine	9.1 – B, 9.2 – C, 9.3 – A, 9.4 – A
Ten	10.1 – A, 10.2 – B, 10.3 – A, 10.4 – A