

GCSE

Science (Modular) Double Award and Chemistry

Module 06

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Earth Materials: Foundation Tier

Question No.	KEY
One	1 – carbon 2 – oxygen 3 – water (vapour) 4 – sulphur
Two	1 – ammonia 2 – oxygen 3 – nitrogen 4 – noble gases
Three	1 – compounds 2 – elements 3 – atoms 4 – molecules
Four	1 – fine sandstone with fossils 2 – limestone with fossils 3 – shale with layers 4 – coarse sandstone with ripple marks
Five	1 – calcium oxide 2 – carbon dioxide 3 – cement 4 – calcium hydroxide
Six	most plastics are not broken down by microorganisms poly(propene) is a polymer
Seven	decane has the largest molecules ethane and butane are gases at 20 °C
Eight	8.1 – B, 8.2 – A, 8.3 – D, 8.4 – D
Nine	9.1 – C, 9.2 – D, 9.3 – A, 9.4 – C
Ten	10.1 – A, 10.2 – C, 10.3 – B, 10.4 – C

Earth Materials: Higher Tier

Question No.	KEY
One	1 – calcium oxide 2 – carbon dioxide 3 – cement 4 – calcium hydroxide
Two	1 – calcium carbonate (CaCO_3) 2 – carbon dioxide (CO_2) 3 – methane (CH_4) 4 – calcium hydrogencarbonate ($\text{Ca}(\text{HCO}_3)_2$)
Three	decane has the largest molecules ethane and butane are gases at 20°C
Four	sediments of the continental plate are folded and metamorphosed volcanoes often occur at the plate boundary
Five	5.1 – B, 5.2 – A, 5.3 – D, 5.4 – D
Six	6.1 – C, 6.2 – D, 6.3 – A, 6.4 – C
Seven	7.1 – A, 7.2 – C, 7.3 – B, 7.4 – C
Eight	8.1 – A, 8.2 – C, 8.3 – D, 8.4 – B
Nine	9.1 – C, 9.2 – B, 9.3 – A, 9.4 – B
Ten	10.1 – B, 10.2 – A, 10.3 – C, 10.4 – A