



ASSESSMENT and
QUALIFICATIONS
ALLIANCE

Mark scheme
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GCSE

**Science (Modular)
Double Award and Chemistry**

Module 06

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Earth Materials: Foundation Tier

Question	Key
One	1 – hydrogen 2 – sulphur 3 – oxygen 4 – water
Two	1 – hydrocarbons 2 – fractions 3 – molecules 4 – atoms
Three	1 – C 2 – A 3 – D 4 – B
Four	1 – limestone heated in a kiln with clay 2 – cement mixed with sand and crushed rock 3 – water added to mixture 4 – concrete produced
Five	1 – thermal decomposition 2 – burning 3 – distillation 4 – condensation
Six	most plastics (polymers) are not biodegradable poly(ethene) is a plastic used for making plastic bags and bottles
Seven	the plates are made up of the crust and upper mantle the plates are moved by convection currents
Eight	8.1 – D, 8.2 – D, 8.3 – A, 8.4 – A
Nine	9.1 – D, 9.2 – A, 9.3 – D, 9.4 – A
Ten	10.1 – A, 10.2 – C, 10.3 – C, 10.4 – D

Earth Materials: Higher Tier

Question	Key
One	1 – thermal decomposition 2 – burning 3 – distillation 4 – condensation
Two	1 – ozone 2 – methane 3 – carbon dioxide 4 – nitrogen
Three	the plates are made up of the crust and upper mantle the plates are moved by convection currents
Four	they give evidence if changes in the Earth's magnetic field they occur on each side of the mid-Atlantic ridge
Five	5.1 – D, 5.2 – D, 5.3 – A, 5.4 – A
Six	6.1 – D, 6.2 – A, 6.3 – D, 6.4 – A
Seven	7.1 – A, 7.2 – C, 7.3 – C, 7.4 – D
Eight	8.1 – B, 8.2 – D, 8.3 – A, 8.4 – B
Nine	9.1 – D, 9.2 – D, 9.3 – A, 9.4 – A
Ten	10.1 – C, 10.2 – D, 10.3 – B, 10.4 – D