



ASSESSMENT and
QUALIFICATIONS
ALLIANCE

Mark scheme
March 2003

GCSE

Science (Modular) Double Award
and Chemistry (Modular)

Module 06

Earth Materials: Foundation Tier

Question	Key
One	1 – water vapour 2 – sulphur dioxide 3 – oxygen 4 – carbon dioxide
Two	1 – fossils 2 – rocks 3 – shapes 4 – plates
Three	1 – tilted 2 – turned upside down 3 – faulted 4 – folded
Four	1 – the hydrocarbons are heated 2 – the hydrocarbons are in a vapour state 3 – thermal decomposition of hydrocarbons 4 – hydrocarbons with small molecules
Five	1 – neutralisation 2 – decomposition 3 – evaporation 4 – condensation
Six	poly(propene) is a plastic used for making crates and ropes some small hydrocarbon molecules can be used to make plastics (polymers)
Seven	metamorphic rocks are found in ancient mountain ranges old mountain ranges are worn down by weathering and erosion
Eight	8.1 – D, 8.2 – A, 8.3 – B, 8.4 – C
Nine	9.1 – C, 9.2 – A, 9.3 – D, 9.4 – A
Ten	10.1 – C, 10.2 – A, 10.3 – B, 10.4 – C

Earth Materials: Higher Tier

Question	Key
One	1 – neutralisation 2 – decomposition 3 – evaporation 4 – condensation
Two	1 – ozone 2 – methane 3 – ammonia 4 – nitrogen
Three	metamorphic rocks are found in ancient mountain ranges old mountain ranges are worn down by weathering and erosion
Four	it is released during thermal decomposition of carbonate rocks it reacts with sea water to form calcium carbonate
Five	5.1 – D, 5.2 – A, 5.3 – B, 5.4 – C
Six	6.1 – C, 6.2 – A, 6.3 – D, 6.4 – A
Seven	7.1 – C, 7.2 – A, 7.3 – B, 7.4 – C
Eight	8.1 – D, 8.2 – C, 8.3 – B, 8.4 – A
Nine	9.1 – B, 9.2 – B, 9.3 – C, 9.4 – C
Ten	10.1 – B, 10.2 – A, 10.3 – B, 10.4 – D