

Mark scheme

June 2006

GCSE

Science: (Modular)
Double Award and Chemistry

Module 06

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Earth Materials : Foundation Tier

Question No.	KEY
One	1 – methane 2 – oxygen 3 – nitrogen 4 – carbon dioxide
Two	1 – oxygen 2 – carbon dioxide 3 – water (vapour) 4 – sulphur dioxide
Three	1 – hydrocarbons 2 – fractions 3 – molecules 4 – atoms
Four	1 – mudstone 2 – sandstone 3 – layered shale 4 – limestone
Five	1 – limestone is quarried and powdered 2 – limestone is heated in a kiln 3 – carbon dioxide and quicklime are made 4 – quicklime is reacted with water
Six	large-scale movements of the Earth’s crust may cause mountains to form the material of the Earth’s crust is less dense than that of the Earth’s interior
Seven	Q R
Eight	8.1 – A, 8.2 – D, 8.3 – C, 8.4 – C
Nine	9.1 – C, 9.2 – B, 9.3 – C, 9.4 – B
Ten	10.1 – A, 10.2 – A, 10.3 – B, 10.4 – D

Earth Materials : Higher Tier

Question No.	KEY
One	1 – limestone is quarried and powdered 2 – limestone is heated in a kiln 3 – carbon dioxide and quicklime are made 4 – quicklime is reacted with water
Two	1 – methane 2 – oxygen 3 – calcium hydrogencarbonate 4 – calcium carbonate
Three	Q R
Four	it is an alkane the carbon atoms are joined by a covalent bond
Five	5.1 – A, 5.2 – D, 5.3 – C, 5.4 – C
Six	6.1 – C, 6.2 – B, 6.3 – C, 6.4 – B
Seven	7.1 – A, 7.2 – A, 7.3 – B, 7.4 – D
Eight	8.1 – B, 8.2 – D, 8.3 – A, 8.4 – A
Nine	9.1 – B, 9.2 – A, 9.3 – B, 9.4 – D
Ten	10.1 – C, 10.2 – C, 10.3 – C, 10.4 – B