

## **General Certificate of Secondary Education**

# **Science Single Award Modular 3469**

## Module 15: Materials & Reactions

Module Test Answer Keys

March 2007 examination series

Mark schemes are prepared by the Principal Examiner and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation meeting attended by all examiners and is the scheme which was used by them in this examination. The standardisation meeting ensures that the mark scheme covers the candidates' responses to questions and that every examiner understands and applies it in the same correct way. As preparation for the standardisation meeting each examiner analyses a number of candidates' scripts: alternative answers not already covered by the mark scheme are discussed at the meeting and legislated for. If, after this meeting, examiners encounter unusual answers which have not been discussed at the meeting they are required to refer these to the Principal Examiner.

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Question No.	KEY
One	1 – iron oxide
	2 – stainless steel
	3 – iron
	4 – haematite
Two	1 – ammonia solution
1 WO	2 - potassium nitrate
	3 – sulphuric acid
	4 – hydrochloric acid
Three	1 – vapour
	2 – catalyst
	3 – fuel
	4 – plastic
Four	1 – L
	2 – J
	3 – K
	4 – M
Five	1 – metal G
11100	2 - metal H
	3 – metal J
	4 – metal K
Six	these three gases are oxides
	when oil burns, the carbon it contains reacts with oxygen
Seven	Ν
	Q
Eight	8.1 – D, 8.2 – C, 8.3 – B, 8.4 – B
NT.	
Nine	9.1 – A, 9.2 – D, 9.3 – D, 9.4 – D
Ten	101 A 102 A 102 D 104 D
Ten	10.1 - A, 10.2 - A, 10.3 - D, 10.4 - B

### Materials & Reactions : Foundation Tier

Question No.	KEY
One	1 – metal G
	2 – metal H
	3 – metal J
	4 – metal K
T	
Two	1 – zinc 2 – copper
	3 – hydrogen
	4 – carbon dioxide
Three	Ν
	Q
Four	E
	F
Five	5.1 - D, 5.2 - C, 5.3 - B, 5.4 - B
<b>C</b> :	
Six	6.1 – A, 6.2 – D, 6.3 – D, 6.4 – D
Seven	7.1 – A, 7.2 – A, 7.3 – D, 7.4 – B
Seven	7.1 - A, 7.2 - A, 7.3 - D, 7.4 - D
Eight	8.1 - A 8.2 - C, 8.3 - A, 8.4 - A
Light	
Nine	9.1 – B, 9.2 – C, 9.3 – B, 9.4 – C
Ten	10.1 - C, $10.2 - C$ , $10.3 - B$ , $10.4 - B$

### Materials & Reactions : Higher Tier