



**GCSE**

**Science A 4461**  
*Chemistry 4421*

**CHY1AP F & H**  
**CHY1AS F & H**

**Mark Scheme**

*2007 examination - November 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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**CHY1A (Products from Rocks)**

## Foundation Tier

Question	Key			
One	A	atoms	1	
	B	compounds	3	
	C	elements	4	
	D	molecules	2	
Two	A	calcium carbonate	1	
	B	calcium hydroxide	4	
	C	calcium oxide	2	
	D	carbon dioxide	3	
Three	A	carbon	4	
	B	carbon monoxide	3	
	C	carbon dioxide	1	
	D	oxygen	2	
Four	A	Element A	4	
	B	Element B	2	
	C	Element C	3	
	D	Element D	1	
Five	A	Metal A	3	
	B	Metal B	2	
	C	Metal C	4	
	D	Metal D	1	
Six	A	condense	2	
	B	vaporise	1	
	C	viscous	4	
	D	volatile	3	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Seven	2	3	4	1
Eight	1	4	2	3
Nine	3	3	2	1

**CHY1A (Products from Rocks)**

## Higher Tier

Question	Key			
One	A	condense		2
	B	vaporise		1
	C	viscous		4
	D	volatile		3
Two	A	pure iron		3
	B	an alloy		1
	C	a mixture of compounds		2
	D	a mixture of elements		4
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Three	1	4	2	3
Four	3	3	2	1
Five	2	2	3	4
Six	3	3	2	3
Seven	4	4	2	2
Eight	1	2	2	2
Nine	3	4	3	3