



ASSESSMENT and  
QUALIFICATIONS  
ALLIANCE

## **General Certificate of Secondary Education**

### **Science A 4461**

#### **Chemistry 4421**

#### **CHY1A F & H**

### *Objective Test Answer Keys*

*November 2006 examination series*

**CHY1A (Products from Rocks) Foundation Tier**

Question	Key			
One	A	calcium		2
	B	copper		3
	C	gold		1
	D	titanium		4
Two	A	good conductors		3
	B	high melting points		2
	C	made into alloys		1
	D	tough		4
Three	A	aluminium (Al)		1
	B	iron (Fe)		4
	C	oxygen (O)		3
	D	potassium (K)		2
Four	A	costs 1p to produce 1000J of heat energy		3
	B	causes least pollution		2
	C	releases the most heat energy per kg		4
	D	is likely to produce the most acid rain		1
Five	A	a bond		4
	B	an electron		3
	C	an element		2
	D	a nucleus		1
Six	A	methane		2
	B	pentane		4
	C	octane		3
	D	nonane		1
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Seven	1	3	3	2
Eight	2	3	2	2
Nine	3	3	2	4

### CHY1A (Products from Rocks) Higher Tier

Question	Key			
One	A	methane		2
	B	pentane		4
	C	octane		3
	D	nonane		1
Two	A	CO <sub>2</sub>	1	
	B	3CO <sub>2</sub>	3	
	C	H <sub>2</sub> O	2	
	D	2H <sub>2</sub> O	4	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Three	2	3	2	2
Four	3	3	2	4
Five	3	3	4	4
Six	2	1	4	4
Seven	2	1	2	1
Eight	4	4	1	3
Nine	2	4	3	1