



**GCSE**

**Science A (4461)**

*Specification A*

**CHY1AP, CH1ASF & CH1ASH**

**Mark Scheme**

*2008 examination – March series*

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Set and published by the Assessment and Qualifications Alliance.

**GCSE**  
**SCIENCE A (4461)/CHEMISTRY (4421)**  
 Objective Test Answer Key  
**CHY1AP (Products from Rocks)**  
**March 2008**  
 Foundation Tier

Question	<b>Key</b>				
One	<b>A</b>	sulfur dioxide	<b>2</b>		
	<b>B</b>	carbon dioxide	<b>1</b>		
	<b>C</b>	carbon monoxide	<b>3</b>		
	<b>D</b>	particles	<b>4</b>		
Two	<b>A</b>	carbon	<b>3</b>		
	<b>B</b>	carbon dioxide	<b>2</b>		
	<b>C</b>	tin	<b>4</b>		
	<b>D</b>	tin oxide	<b>1</b>		
Three	<b>A</b>	this compound contains hydrogen	<b>4</b>		
	<b>B</b>	this compound is a carbonate	<b>1</b>		
	<b>C</b>	this formula has only two atoms	<b>2</b>		
	<b>D</b>	this formula has only two oxygen atoms	<b>3</b>		
Four	<b>A</b>	condensed	<b>4</b>		
	<b>B</b>	heated	<b>2</b>		
	<b>C</b>	separated	<b>1</b>		
	<b>D</b>	vaporised	<b>3</b>		
Five	<b>A</b>	iron	<b>2</b>		
	<b>B</b>	aluminium	<b>3</b>		
	<b>C</b>	copper	<b>4</b>		
	<b>D</b>	gold	<b>1</b>		
Six	<b>A</b>	carbon dioxide	<b>2</b>		
	<b>B</b>	hot air	<b>3</b>		
	<b>C</b>	limestone	<b>1</b>		
	<b>D</b>	quicklime	<b>4</b>		
		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Seven	<b>2</b>	<b>2</b>	<b>3</b>	<b>1</b>	
Eight	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	
Nine	<b>2</b>	<b>2</b>	<b>2</b>	<b>4</b>	

**GCSE**  
**SCIENCE A (4461)/CHEMISTRY (4421)**  
 Objective Test Answer Key  
**CHY1AP (Products from Rocks)**  
**March 2008**  
 Higher Tier

Question	<b>Key</b>			
One	<b>A</b>	carbon dioxide	<b>2</b>	
	<b>B</b>	hot air	<b>3</b>	
	<b>C</b>	limestone	<b>1</b>	
	<b>D</b>	quicklime	<b>4</b>	
Two	<b>A</b>	Hydrocarbons in the crude oil turn to vapour	<b>1</b>	
	<b>B</b>	Hydrocarbons collected as gases	<b>2</b>	
	<b>C</b>	Hydrocarbons with high boiling points	<b>3</b>	
	<b>D</b>	Hydrocarbons condense to form liquids	<b>4</b>	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Three	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>
Four	<b>2</b>	<b>2</b>	<b>2</b>	<b>4</b>
Five	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>
Six	<b>2</b>	<b>4</b>	<b>2</b>	<b>2</b>
Seven	<b>2</b>	<b>3</b>	<b>4</b>	<b>4</b>
Eight	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>
Nine	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>