

GCSE

# Science A (4461) / Chemistry (4421)

Specification A

# CHY1BP, CH1BSF & CH1BSH

# **Mark Scheme**

2011 Examination – November Series

The blank answer sheet for this component can be found at the end of this document.

This component is an objective test for which the following list indicates the correct answers used in marking the students' responses.

Further copies of this Mark Scheme are available to download from the AQA Website: www.aqa.org.uk

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#### GCSE

### SCIENCE A (4461)/CHEMISTRY (4421)

**Objective Test Answer Key** 

### CHY1BP (Oils, Earth and Atmosphere)

#### November 2011

#### Foundation Tier

Question	Кеу											
	Α	ammonia			4							
0	в	carbon dioxid	1									
One	С	nitrogen	3									
	D	oxygen	2									
	-											
	Α		d high temperatures a	and is non-stick	2							
Two	В		hed into fibres		3							
-	С	makes a very	/ light, solid foam whi	ch is a good	1							
	D	strong, rigid a	and a good electrical	insulator	4							
	Α	burned in oxy	vaen		3							
	В	reacted with	4									
Three	c	reacted with	2									
	D	shaken with	1									
					•							
	Α	5 %	2									
Four	в	10 %	1									
FOUI	С	40 %	3									
	D	55 %	4									
	•	a hum dan aa										
	A	abundance			4							
Five	В	colour			2							
	С	density			3							
	D	reactivity		1								
		A	В	С	D							
Six		2	3	2	3							
Seven		4	3	1	1							
Eight		1	2									
Nine		1	3									

#### GCSE

#### SCIENCE A (4461)/CHEMISTRY (4421)

**Objective Test Answer Key** 

#### CHY1BP (Oils, Earth and Atmosphere)

#### November 2011

#### **Higher Tier**

Question				Кеу	
	Α	abundance	е		4
One	В	colour			2
One	С	density			3
	D	reactivity			1
	Α	Ethane			4
Two	В	Ethanol			3
TWO	С	Ethene			2
	D	Poly(ether	ne)		1
	T				
		Α	В	С	D
Three		1	2	4	2
Four		1	3	1	3
Five		1	4	1	4
Six		2	1	4	4
Seven	4		1	1	3
Eight	1		3	2	4
Nine		4	1	3	2

The AQA UMS Conversion Calculator can be found at the following web address:

http://www.aqa.org.uk/umsconversion



## Unit : CHY1BP CHEMISTRY UNIT 1B

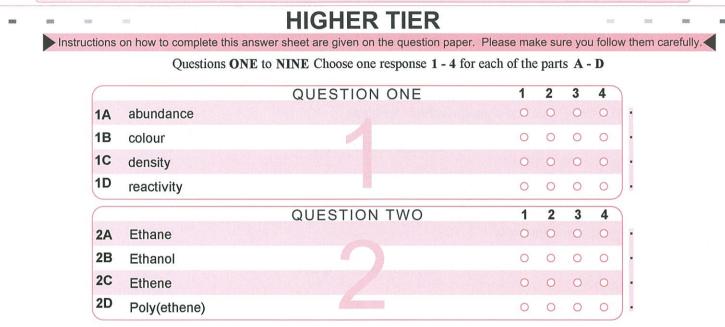
## Centre :

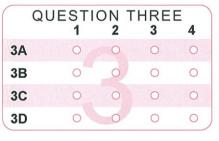
Candidate Number : Candidate Name :

UCI :

Series : BG11 15-NOV-11

For completion by the Examination Invigilator. Please fill this circle if the candidate is absent: O







	QUEST	2		
	1	2	3	4
<b>4</b> A	0	0	0	0
4B	0	0	0	0
4C	0	0	0	0
4D	0	0	0	0

	QUESTION SEVEN								
		1	2	3	4				
7A		0	0	0	0				
7B		0	0	0	0				
7C		0	0	0	0				
7D		0	0	0	0				

	QUESTION NINE							
	1	2	3	4				
9A	0	0	0	0				
9B	0	0	0	0				
9C	0	0	0	0				
9D	0	0	0	0				



	QUEST	EIGHT				
	1	2	3	4		
8A	0	0	0	0		
8B	0	0	0	0		
8C	0	0	0	0		
8D	0	0	0	0		



## **FOUNDATION TIER**

Instructions on how to complete this answer sheet are given on the question paper. Please make sure you follow them carefully.

Questions ONE to NINE Choose one response 1 - 4 for each of the parts A - D

			Question	is ONE to N	NINE Ch	loose one	response	e 1-4	for each	of the pa	irts A	A - D				
			ammonia		Q	UESTI		NE		1 1	2	3	4	-		
		1 DESC	carbon dioxi	ide						0	0	0	0	-		
			nitrogen	uc		essenter (M				0	0	0	0	-		
		101318	oxygen							0	0	0	0	-		
			oxygen							0	0	0	0			
		2A	can withstan	nd high tem		UESTI es and is				1 0	<b>2</b>	3	4	1		
		2B	can be strete	ched into fil	bres					0	0	0	0			
		2C	makes a ligh	nt, solid foa	m which	n is a goo	d heat i	insulate	or	0	0	0	0			
		2D	strong, rigid	and a good	d electric	cal insula	tor			0	0	0	0			
		2			011	ESTIO		REE		1	2	3	4			
		3A	burned in ox	cygen	QU	Lonio	N 111			0	0	0	0			
		3B	reacted with	bromine w	vater					0	0	0	0			
		3C	reacted with	hydrogen						0	0	0	0	and a second		
		3D	shaken with	water						0	0	0	0			
		2			QL	JESTIC	DN FO	UR		1	2	3	4			
		<b>4</b> A	5%							0	0	0	0	1		
		4B	10%							0	0	0	0			
		4C	40%							0	0	0	0			
		<b>4D</b>	55%							0	0	0	0			
		EA	abundance		Q	UESTI	ON FI	VE		1	2	3	4			
		States.	colour							0	0	0	0			
			density							0	0	0	0			
			reactivity							0	0	0	0			
		30	reactivity							0	0	0	0	) •		
	QUEST	10N 2	SIX 3 4		QL	JESTIC 1	DN SE	VEN 3	4	(		QU	EST 1	10N 2	EIGH 3	1T 4
6A	0	0	<b>3 4</b>		7A	0	0	0	•		8A		0	0	0	•
6B	0	0	0 0		7B	0	0	0	0	12	8B		0	6	0	0
6C	0	0	0 0		7C	0	0	0	0		8C		0	0	0	0
6D	0	0	0 0		7D	0	0	0	0)		8D		0	0	0	0
					Q	UESTI	ON N	INE								
						1	2	3	4							
					9A	0	0	0	0							
					9B	0	0	0	0							
					9C	0	-0	0	0							
_					9D	0	0	0								
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										22	13					

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