

GCSE

Science A (4461)

Specification A

CHY1BP, CH1BSF & CH1BSH

Mark Scheme

2010 Examination – June 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 candidates' responses.

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

Copyright © 2010 AQA and its licensors. All rights reserved.

COPYRIGHT

AQA retains the copyright on all its publications. However, registered centres for AQA are permitted to copy material from this booklet for their own internal use, with the following important exception: AQA cannot give permission to centres to photocopy any material that is acknowledged to a third party even for internal use within the centre.

Set and published by the Assessment and Qualifications Alliance.

The Assessment and Qualifications Alliance (AQA) is a company limited by guarantee registered in England and Wales (company number 3644723) and a registered charity (registered charity number 1073334). Registered address: AQA, Devas Street, Manchester M15 6EX

GCSE SCIENCE A (4461) / CHEMISTRY (4421) Objective Test Answer Key CHY1BP (Oils, Earth and Atmosphere) June 2010

Foundation Tier

Question			K	ey	
	Α	Nitrogen		2	
0.50	в	Oxygen		3	
One	С	Carbon dio	xide	1	
	D	Argon		4	
	Α	mantle		3	
Two	В	core		2	
	С	atmosphere	9	1	
	D	crust		4	
				4	
	A	Polymer A		1	
Three	В	Polymer B		4	
	С	Polymer C		2	
	D	Polymer D		3	
	Α	Hydrocarbo	on A	4	
	в	Hydrocarbo		2	
Four	с	Hydrocarbo		1	
	D	Hydrocarbo		3	
		,			
	Α	Burn in oxy	4		
Five	в	Test for uns	saturation	2	
Five	С	Add water a	and shake vigorously	3	
	D	React with	hydrogen	1	
					Γ
		Α	В	C	D
Six		4	2	1	3
Seven		1	2	3	4
Eight		2	3	1	2
Nine		4	3	3	2

GCSE SCIENCE A (4461) / CHEMISTRY (4421) Objective Test Answer Key CHY1BP (Oils, Earth and Atmosphere)

June 2010

Higher Tier

Question				Key				
020	Α	Burn in ox	ygen	4				
	в	Test for ur	saturation	2				
One	С	Add water	and shake vigorous	ly 3				
	D	React with	hydrogen	1				
	Α	Formula A		2				
Two	в	Formula B		4	4			
TWO	С	Formula C		3				
	D	Formula D	I Contraction of the second	1				
				-				
		Α	В		С	D		
Three		2	3		1	2		
Four		4	3		3	2		
Five		4	1		3	2		
Six		1	2		2	4		
Seven		2	2		2	3		
Eight		2	4		3	3		
Nine		4	3		2	1		

SISSE SCIENCE



Unit : CHY1BP CHEMISTRY UNIT 1B

Centre :

Candidate Number :

Candidate Name :

UCI:

Series : 6M10 28-JUN-10

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

HIGHER 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 OF	NE 1	2	3	4
1A	Burn in oxygen	0	0	0	0
1B	Test for unsaturation	0	0	0	Ø
1C	Add water and shake vigorously	0	0	0	0
1D	React with hydrogen	0	0	0	0
	QUESTION TV	VO 1	2	3	4
2A	Formula A	0	0	0	0
2B	Formula B	0	0	0	0
	the second se	0	0	\cap	0
2C	Formula C	0	\odot	\sim	\odot

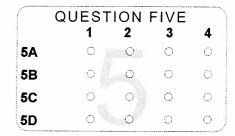
QU	ESTI		HRE	E
	1	2	3	4
3A	0	0	0	0
3B	0	0		0
3C	0	0	Q	0
3D	0	0	0	0)

	QUES	TION	SIX	
	1	2	3	4
6A	0	0	0	O
6B	0	0	G	0
6C	0	0	0	0
6D	0	0	Ó	0

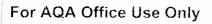
	QUEST	ION	OUF	2
	1	2	3	4
4 A	0	O	0	0
4B	0	0	0	0
4C	0	0	0	0
4D	0	0	0	0

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

	QUEST	ION	NINE	
	1	2	3	4
9A	0	O	O	O
9B	O	Q	Θ	0
9C	0	0	0	0
9D	0.9	O	Q	Q



	QUEST	ION E	EIGH ⁻	Γ
	1	2	3	4
8A	0	0	Q	0
8B	0	0	0	0
8C	0	0	0	Ö
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

	1					QI	JESTION			1	2	3	4		
		1A	Nitroge	ən			020110.			0	0	0	0	•	
		1B	Oxyge	n						0	0	0	0	•	
		1C	Carbo	n dioxid	е					:O.	Õ	0	0	•	
		1D	Argon							0	0	0	0	•	
		<		• • · · · · ·	 	QL	JESTION	ITWO		1	2	3	4		
		2A	mantle	•						0	0	\bigcirc	0	•	
		2B	core							0	O	0	0	•	
		2C	atmos	phere						O.	0	0	0	-	
		2D	crust							0	0	0	0	•	
		Sanana Cananan				QU	ESTION	THREE		1	2	3	4		
		3A	Polym	er A						Ô	Q	0	0	•	
		3B	Polym	er B						0	0	Ó	0	•	
		3C	Polym	ier C						0	Q	0	Ö.	•	
		3D	Polym	ier D						0	Ő	0	0	-	
					· · · · · · · · · · · · · · · · · · ·	OL.	JESTION	FOUR		1	2	3	4		
		4 A	Hydro	carbon /	A	~ ~				0	0	0	0		
		4B	Hydro	carbon	В					0	0	O	0		
		4C	Hydro	carbon	С					O	O	\odot	0	•	
		4D	Hydro	carbon	D					0	Ó	O.	ō	•	
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				QI	UESTION	I FIVE		1	2	3	4		
		5A	Burn i	in oxyge	n					0	0	0	O.		
		5B	Test f	or unsat	uration					0	Ô	Ō	0	•	
		5C	Add w	ater and	d shake v	igorousl	у			0	Ô	0	0	•	
		5D	React	with hy	drogen					Ó	0	O	0	•	
	QUEST	ION	SIX	······		QL	JESTION	SEVE	N	/		QU	EST	ION	EIGHI
	1	2	3	4		7A		2 3	4		8A		1	2	3
6A	0	0	0	0		7B			0		8B		0	0	0
6B	0	0	0			7C	o 20		0		8C		04	0	0
6C	C O	0	0	0		70 7D	0 80		0 )	1	8D			o	0
6D			0												
						Q			- 4						
						9A	0	0	0						
						9B	o 🕴 🤇	o ás	0						
						9C	0	o V	0						
						9D	00	0							
	R ~ K ~ ~	**	e 1	~											
FOI	AQA Off	ice	use(	Jniy											
					2213										
					•						10				
·										22	13				

.....

4