

GCSE

Science A (4461) / Chemistry (4421)

Specification A

CHY1BP, CH1BSF & CH1BSH

Mark Scheme

2012 Examination – March 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.
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GCSE

SCIENCE A (4461)/CHEMISTRY (4421)

Objective Test Answer Key

CHY1BP (Oils, Earth and Atmosphere) March 2012

Foundation Tier

Question		Ke			
	A colouring			2	
One	B emulsifier			1	
One	C preservative			4	
	D sweetener			3	
	A Venus			4	
		Venus Earth			
Two	C Mars			2 1	
	D Jupiter			3	
	D Gupitor				
	A is not damag	is not damaged at high temperatures and has a 3			
Three	B is strong, do	strong, does not rot and can be pulled into fibres 2			
Tillee	C makes a ver	y light, solid foam that	ator 1		
	D is transparer	is transparent, waterproof and stays flexible over a wide range 4			
	A Acrylic			1	
	B Kevlar			3	
Four	C Nylon			2	
	D Polyester			4	
	. c.yeste.				
	A molecule A			1	
Five	B molecule B			3	
1100	C molecule C			2	
	D molecule D			4	
	A	В	С	D	
Six		1		4	
	3		2	-	
Seven	1	1	3	2	
Eight	4	1	2	4	
Nine	1	3	3	1	

GCSE

SCIENCE A (4461)/CHEMISTRY (4421)

Objective Test Answer Key

CHY1BP (Oils, Earth and Atmosphere)

March 2012

Higher Tier

Question			Key	
	A molecule	A	1	
One	B molecule	В	3	
One	C molecule	C	2	
	D molecule	D	4	
	A product A		3	
Two	B products E	3	1	
TWO	C product C		4	
	D products [)	2	
	Α	В	С	D
Three	4	1	2	4
Four	1	3	3	1
Five	1	2	2	3
Six	2	3	4	1
Seven	3	3	4	3
Eight	3	2	3	3
Nine	1	2	4	2



Unit: CHY1BP CHEMISTRY UNIT 1B

Centre:

Candidate Number:

UCI:

Series: 3G12

Candidate Name:

01-MAR-12

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 ONE	1	2	3	4	1
1A	Molecule A		0	0	0	0	
1B	Molecule B		0	0	0	0	
1C	Molecule C		0	0	0	0	
1D	Molecule D		0	0	0	0	
		QUESTION TWO	1	2	3	4)
2A	Product A		0	0	0	0	. •
2B	Product B		0	0	0	0	
2C	Product C		0	0	0	0	
2D	Product D				0		72

QL	JESTI 1	ON T 2	HRE	E 4
3A	0	0	0	0
3B	0	0	0	0
3C	0	0	0	0
3D	0	0	0	0

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

	QUESTI	ON F	OUR	
	1	2	3	4
4A	0	0	0	0
4B	O	0	0	0
4C	0	0	0	0
4D	0	0	0	0

Ql	JESTI	ON S	EVE	N
	1	2	3	4
7A	0	0	0	0
7B	0	0	0	0
7C	0	0	0	0
7D	0	0	0	0

	QUEST 1	ION 2	NINE 3	4
9A	0	0	0	0
9B	0	0	0	0
9C	0	0	0	0
9D	0	0	0	0

	QUEST	ION 2	FIVE 3	4
5A	0	0	0	0
5B	0	0	0	0
5C	0	0	0	0
5D	0	0	0	0

QUESTION EIGHT				Т
	1	2	3	4
8A	0	0	0	0
8B	0	0	0	0
8C	0	0	0	0
8D	0	0	0	0

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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 ONE	1	2	3	4
A colouring		0	0	0	0
1B emulsifier		0	0	0	0
1C preservative		0	0	0	0
1D sweetener		0	0	0	0
	QUESTION TWO	1	2	3	4
2A Venus		0	0	0	0
2B Earth		0	0	0	0
2C Mars		0	0	0	0
2D Jupiter		0	0	0	0
	QUESTION THREE	1	2	3	4
3A Polymer A		0	0	0	0
3B Polymer B		0	0	0	0
3C Polymer C		0	0	0	0
3D Polymer D		0	0	0	0
	QUESTION FOUR	1	2	3	4
4A Acrylic		0	0	0	0
4B Kevlar		0	0	0	0
4C Nylon		0	0	0	0
4D Polyester		0	0	0	0
	QUESTION FIVE	1	2	3	4
5A Molecule A		0	0	0	0
5B Molecule B		0	0	0	0
5C Molecule C		0	0	0	0
5D Molecule D		0	0	0	0
ON SIX	QUESTION SEVEN			QU	EST

	QUESTION SIX				
	1	2	3	4	
6A	0	0	0		
6B	0	0	0	0	
6C	0	0	0	0	
6D		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	

	QUEST	ION	EIGH	T
	1	2	3	4
8A	0	0	0	0
8B	0	0	0	0
8C	0	0	0	0
8D	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	

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