

GCSE

Science A (4461) / Chemistry (4421)

Specification A

CHY1BP, CH1BSF & CH1BSH

Mark Scheme

2012 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 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) June 2012

Foundation Tier

Question		K	еу		
One	B where conv C where there	nquakes occur rection currents occur e is a mixture of gases and nickel are found a	3	2 3 1 4	
Two	A bromine B ethene C poly(proper D water	ne)		4 3 2 1	
Three	B colour C density			4 2 3 1	
Four	B the time the C the distance	e oil takes to flow from e between P and Q		4 2 3 1	
Five	A 38 B 90 C 380 D 600			3 2 1 4	
	Α	В	С	D	
Six	2	2	2	3	
Seven	2	4	2	4	
Eight	3	2	3	2	
Nine	3	colour 2 density 3 chemical reactivity 1 the colour of the oil 4 the time the oil takes to flow from P to Q 2 the distance between P and Q 3 the four temperatures used for each oil 1 38 3 90 2 380 1 600 4 A B C D 2 2 3 2 4 2 4 3 2 3 2			

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SCIENCE A (4461)/CHEMISTRY (4421)

Objective Test Answer Key

CHY1BP (Oils, Earth and Atmosphere) June 2012

Higher Tier

Question				Key	
	Α	38	3		
One	В	90	2		
One	С	380	1		
One	D	600	4		
	Α	Formula A	4		
Two	В	Formula B	2		
	С	Formula C	3		
	D	Formula D	1		
		Α	В	С	D
Three		3	2	3	2
Four		3	2	3	3
Five		3	2	2	3
Six		4	2	4	4
Seven		1	4	2	1
Eight		4	3	2	2
Nine		2	3	1	4



Unit: CHY1BP CHEMISTRY UNIT 1B

Centre:

Candidate Number:

UCI:

Series: 6M12

22-JUN-12

Candidate Name:

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
1A	38		0	0	0	0
1B	90		0	0	0	0
1C	380		0	0	0	0
1D	600		0	0	0	0
		QUESTION TWO	1	2	3	4
2A	Formula A	QUESTION TWO	1 0	2	3	4
2A 2B	Formula A Formula B	QUESTION TWO	0	1/4	N. D.	
		QUESTION TWO		0	0	0

Ql	JESTI			
	1	2	3	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	FOUR	2
	1	2	3	4
4A	0	0	0	0
4B	0	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		NINE 3	4
9A	0	2	0	0
9B	0	0	0	0
9C	0	0	0	0
9D	0	0	0	0

	QUEST	ION	FIVE	
	1	2	3	4
5A	0	0	0	0
5B	0	0	0	0
5C	0	0	0	0
5D	0	0	0	0

	QUEST	ION	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

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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
1A	where earthquakes occur		0	0	0	0
1B	where convection current	ts occur, causing the tectonic	0	0	0	0
1C	where there is a mixture	of gases	0	0	0	0
1D	where iron and nickel are	found as metals	0	0	0	0
		QUESTION TWO	1	2	3	4
2A	bromine		0	0	0	0
2B	ethene		0	0	0	0
2C	poly(propene)		0	0	0	0
2D	water		0	0	0	0
		QUESTION THREE	1	2	3	4
3A	boiling point		0	0	0	0
3B	colour		0	0	0	0
3C	density		0	0	0	0
3C 3D		3	0	0	0	0
		QUESTION FOUR	0 0			
3D		QUESTION FOUR		0	0	0
3D	the colour of the oil		1	2	3	0
3D 4A 4B	chemical reactivity the colour of the oil	low from P to Q	1	0 2 0	3	4
3D 4A 4B 4C	the colour of the oil the time the oil takes to f	low from P to Q and Q	1 0	0 2 0	3 0	0 4 0

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

5A 38 **5B** 90

5C 380 **5D** 600

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

	QUES	TION 2	NINE 3	4
9A	0	0	0	0
9B	0	0	0	0
9C	0	0	0	0
9D	0	0	0	0

	QUESTION EIGHT				
	1	2	3	4	
A8	0	0	0	0	
8B	0	0	0	0	
8C	0	0	0	0	
8D	0	0	0	0	

0

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