AQA

ASSESSMENT and
QUALIFICATIONS
ALLIANCE

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.

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

Question		Key		
One	A	Nitrogen	2	
	B	Oxygen	3	
	C	Carbon dioxide	1	
	D	Argon	4	
Two	A	mantle	3	
	B	core	2	
	C	atmosphere	1	
	D	crust	4	
Three	A	Polymer **A**	1	
	B	Polymer **B**	4	
	C	Polymer **C**	2	
	D	Polymer **D**	3	
Four	A	Hydrocarbon **A**	4	
	B	Hydrocarbon **B**	2	
	C	Hydrocarbon **C**	1	
	D	Hydrocarbon **D**	3	
Five	A	Burn in oxygen	4	
	B	Test for unsaturation	2	
	C	Add water and shake vigorously	3	
	D	React with hydrogen	1	

	A	B	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			
One	**A**	Burn in oxygen	**4**		
	B	Test for unsaturation	**2**		
	C	Add water and shake vigorously	**3**		
	D	React with hydrogen	**1**		
Two	**A**	Formula **A**	**2**		
	B	Formula **B**	**4**		
	C	Formula **C**	**3**		
	D	Formula **D**	**1**		
		A	**B**	**C**	**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

Unit : CHY1BP   CHEMISTRY UNIT 1B

Centre :

Candidate Number :   UCI :

Candidate Name :

Series : 6M10

28-JUN-10

AQA

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 Burn in oxygen	○	○	○	○
1B Test for unsaturation	○	○	○	○
1C Add water and shake vigorously	○	○	○	○
1D React with hydrogen	○	○	○	○

QUESTION TWO	1	2	3	4
2A Formula A	○	○	○	○
2B Formula B	○	○	○	○
2C Formula C	○	○	○	○
2D Formula D	○	○	○	○

QUESTION THREE	1	2	3	4
3A	○	○	○	○
3B	○	○	○	○
3C	○	○	○	○
3D	○	○	○	○

QUESTION FOUR	1	2	3	4
4A	○	○	○	○
4B	○	○	○	○
4C	○	○	○	○
4D	○	○	○	○

QUESTION FIVE	1	2	3	4
5A	○	○	○	○
5B	○	○	○	○
5C	○	○	○	○
5D	○	○	○	○

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

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

QUESTION EIGHT	1	2	3	4
8A	○	○	○	○
8B	○	○	○	○
8C	○	○	○	○
8D	○	○	○	○

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

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FOUNDATION TIER

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

QUESTION ONE

		1	2	3	4
1A	Nitrogen	○	○	○	○
1B	Oxygen	○	○	○	○
1C	Carbon dioxide	○	○	○	○
1D	Argon	○	○	○	○

QUESTION TWO

		1	2	3	4
2A	mantle	○	○	○	○
2B	core	○	○	○	○
2C	atmosphere	○	○	○	○
2D	crust	○	○	○	○

QUESTION THREE

		1	2	3	4
3A	Polymer A	○	○	○	○
3B	Polymer B	○	○	○	○
3C	Polymer C	○	○	○	○
3D	Polymer D	○	○	○	○

QUESTION FOUR

		1	2	3	4
4A	Hydrocarbon A	○	○	○	○
4B	Hydrocarbon B	○	○	○	○
4C	Hydrocarbon C	○	○	○	○
4D	Hydrocarbon D	○	○	○	○

QUESTION FIVE

		1	2	3	4
5A	Burn in oxygen	○	○	○	○
5B	Test for unsaturation	○	○	○	○
5C	Add water and shake vigorously	○	○	○	○
5D	React with hydrogen	○	○	○	○

QUESTION SIX

	1	2	3	4
6A	○	○	○	○
6B	○	○	○	○
6C	○	○	○	○
6D	○	○	○	○

QUESTION SEVEN

	1	2	3	4
7A	○	○	○	○
7B	○	○	○	○
7C	○	○	○	○
7D	○	○	○	○

QUESTION EIGHT

	1	2	3	4
8A	○	○	○	○
8B	○	○	○	○
8C	○	○	○	○
8D	○	○	○	○

QUESTION NINE

	1	2	3	4
9A	○	○	○	○
9B	○	○	○	○
9C	○	○	○	○
9D	○	○	○	○