



GCSE

**Science A (4461) /
Biology (4411)**

Specification A

BLY1AP, BL1ASF & BL1ASH

Mark Scheme

2011 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

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GCSE
SCIENCE A (4461)/BIOLOGY (4411)
 Objective Test Answer Key
BLY1AP (Human Biology)
June 11
 Foundation Tier

Question	Key			
One	A	statins		3
	B	painkillers		4
	C	heroin and cocaine		2
	D	tobacco and alcohol		1
Two	A	12		2
	B	13		1
	C	22		4
	D	62		3
Three	A	if the drugs have any side effects		2
	B	the best dose for the drug		4
	C	if the drug is toxic		1
	D	if the effect of the drug is only psychological		3
Four	A	experiment		3
	B	hypothesis		2
	C	observation		1
	D	result		4
Five	A	kidney		4
	B	liver		1
	C	ovary		3
	D	pituitary gland		2
	A	B	C	D
Six	2	3	3	4
Seven	4	3	2	4
Eight	4	1	3	2
Nine	2	2	4	1

GCSE
SCIENCE A (4461)/BIOLOGY (4411)
 Objective Test Answer Key
BLY1AP (Human Biology)
June 11
 Higher Tier

Question	Key			
One	A	kidney		4
	B	liver		1
	C	ovary		3
	D	pituitary gland		2
Two	A	alcohol		3
	B	ecstasy		2
	C	heroin		4
	D	tobacco		1
	A	B	C	D
Three	4	1	3	2
Four	2	2	4	1
Five	1	3	1	4
Six	2	3	1	4
Seven	1	4	3	3
Eight	2	1	3	4
Nine	2	3	3	1

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

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

Unit : BLY1AP BIOLOGY UNIT 1A

Centre :

Candidate Number :

UCI :

Series : 6M11

Candidate Name :

28-JUN-11

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

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	kidney	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B	liver	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C	ovary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D	pituitary gland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
2A	alcohol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B	ecstasy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C	heroin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D	tobacco	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE		1	2	3	4
3A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR		1	2	3	4
4A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FIVE		1	2	3	4
5A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION SIX		1	2	3	4
6A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION SEVEN		1	2	3	4
7A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION EIGHT		1	2	3	4
8A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION NINE		1	2	3	4
9A		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9C		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9D		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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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	statins	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B	painkillers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C	heroin and cocaine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D	tobacco and alcohol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
2A	12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B	13	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C	22	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D	62	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE		1	2	3	4
3A	if the drugs have any side effects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3B	the best dose for the drug	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3C	if the drug is toxic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D	if the effect of the drug is only psychological	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR		1	2	3	4
4A	experiment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4B	hypothesis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4C	observation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4D	result	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FIVE		1	2	3	4
5A	kidney	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5B	liver	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5C	ovary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5D	pituitary gland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION SIX		1	2	3	4
6A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
6B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
6C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
6D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

QUESTION SEVEN		1	2	3	4
7A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
7B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
7C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
7D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

QUESTION EIGHT		1	2	3	4
8A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
8B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
8C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
8D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

QUESTION NINE		1	2	3	4
9A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
9B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
9C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
9D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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