

GCSE

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

Specification A

BLY1BP, BL1BSF & BL1BSH

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)/BIOLOGY (4411)

Objective Test Answer Key

BLY1BP (Evolution and Environment)

June 2012

Foundation Tier

Question	Key			
One	A	blue feet		4
	B	forward-looking eyes		3
	C	pointed beak		1
	D	streamlined body		2
Two	A	food		1
	B	light		2
	C	water		3
	D	mates		4
Three	A	the animal that lived only on land		3
	B	the animal that lived both on land and in water		2
	C	the animal with the largest tail fin		4
	D	the animal whose limbs have almost disappeared		1
Four	A	Marsh fritillary		3
	B	Pipistrelle bat		4
	C	Song thrush		2
	D	Water vole		1
Five	A	carbon dioxide		3
	B	fertiliser		1
	C	pesticide		2
	D	sewage		4
	A	B	C	D
Six	1	3	4	3
Seven	3	3	4	4
Eight	4	1	2	1
Nine	4	2	3	1

GCSE

SCIENCE A (4461)/BIOLOGY (4411)

Objective Test Answer Key

BLY1BP (Evolution and Environment)

June 2012

Higher Tier

Question	Key			
One	A	carbon dioxide	3	
	B	fertiliser	1	
	C	pesticide	2	
	D	sewage	4	
Two	A	Mosquito	3	
	B	Reptilia	2	
	C	Osteichthyes	4	
	D	Echinodermata	1	
	A	B	C	D
Three	4	1	2	1
Four	4	2	3	1
Five	4	2	3	2
Six	1	2	2	1
Seven	2	4	3	1
Eight	1	2	2	4
Nine	3	3	4	4

Unit : BLY1BP BIOLOGY UNIT 1B

Centre :

Candidate Number :

UCI :

Series : 6M12

Candidate Name :

22-JUN-12

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	carbon dioxide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B	fertiliser	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C	pesticide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D	sewage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
2A	Mosquito	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B	Reptilia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C	Osteichthyes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D	Echinodermata	<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	blue feet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B	forward-looking eyes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C	pointed beak	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D	streamlined body	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
2A	food	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B	light	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C	water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D	mates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE		1	2	3	4
3A	the animal that lived only on land	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3B	the animal that lived both on land and in water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3C	the animal with the largest tail fin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D	the animal whose limbs have almost disappeared	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FOUR		1	2	3	4
4A	Marsh fritillary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4B	Pipistrelle bat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4C	Song thrush	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4D	Water vole	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION FIVE		1	2	3	4
5A	carbon dioxide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5B	fertiliser	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5C	pesticide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5D	sewage	<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"/>	<input type="radio"/>
6B	<input type="radio"/>	<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"/>	<input type="radio"/>
6D	<input type="radio"/>	<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"/>	<input type="radio"/>
7B	<input type="radio"/>	<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"/>	<input type="radio"/>
7D	<input type="radio"/>	<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"/>	<input type="radio"/>
8B	<input type="radio"/>	<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"/>	<input type="radio"/>
8D	<input type="radio"/>	<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"/>	<input type="radio"/>
9B	<input type="radio"/>	<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"/>	<input type="radio"/>
9D	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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