



GCSE

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

Specification A

BLY1BP, BL1BSF & BL1BSH

Mark Scheme

2011 Examination – November 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 (Human Biology)
November 2011
 Foundation Tier

Question	Key			
One	A	Very thick fur		3
	B	Very large feet		2
	C	Powerful hind legs		4
	D	White and grey fur		1
Two	A	deforestation		3
	B	recycling waste		2
	C	less cattle farming		4
	D	treating sewage		1
Three	A	greenhouse gases re-radiate heat back to Earth		4
	B	energy directly from the Sun		1
	C	the Earth warms up		2
	D	heat is radiated from the Earth into the atmosphere		3
Four	A	birds		1
	B	chimpanzees		3
	C	fish		4
	D	sharks		2
Five	A	adult cell cloning		4
	B	sexual reproduction		2
	C	taking cuttings		1
	D	tissue culture		3
	A	B	C	D
Six	4	2	1	4
Seven	3	4	2	3
Eight	4	1	2	2
Nine	4	3	2	1

GCSE
SCIENCE A (4461)/BIOLOGY (4411)
 Objective Test Answer Key
BLY1BP (Human Biology)
November 2011
 Higher Tier

Question	Key			
One	A	adult cell cloning		4
	B	sexual reproduction		2
	C	taking cuttings		1
	D	tissue culture		3
Two	A	used for swimming		3
	B	holds animal prey strongly and tightly		1
	C	used to wade through deep mud in lakes		2
	D	used to dig for food in hard soil		4
	A	B	C	D
Three	4	1	2	2
Four	4	3	2	1
Five	4	3	2	1
Six	4	3	4	1
Seven	3	3	1	4
Eight	1	1	1	2
Nine	3	4	3	3

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

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

Unit : BLY1BP BIOLOGY UNIT 1B

Centre :

Candidate Number :

UCI :

Series : BG11

Candidate Name :

15-NOV-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	adult cell cloning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B	sexual reproduction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C	taking cuttings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D	tissue culture	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
2A	used for swimming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B	holds animal prey strongly and tightly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C	used to wade through deep mud in lakes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D	used to dig for food in hard soil	<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	Very thick fur	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1B	Very large feet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1C	Powerful hind legs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1D	White and grey fur	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION TWO		1	2	3	4
2A	deforestation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2B	recycling waste	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2C	less cattle farming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D	treating sewage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

QUESTION THREE		1	2	3	4
3A	greenhouse gases re-radiate heat back to Earth	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3B	energy directly from the Sun	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3C	the Earth warms up	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3D	heat is radiated from the Earth into the atmosphere	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

QUESTION FIVE		1	2	3	4
5A	adult cell cloning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5B	sexual reproduction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5C	taking cuttings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5D	tissue culture	<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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