



**GCSE**

**Science A (4461)**

*Specification A*

**BLY1BP, BL1BSF & BL1BSH**

**Mark Scheme**

*2008 Examination – June Series*

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](http://www.aqa.org.uk)

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**GCSE**  
**SCIENCE A (4461)/BIOLOGY (4411)**  
 Objective Test Answer Key  
**BLY1BP (Evolution and Environment)**  
 Foundation Tier

Question	Key			
One	A	long eyelashes and eyebrows	4	
	B	thick shaggy fur	3	
	C	wide feet	1	
	D	fat-filled hump	2	
<hr/>				
Two	A	acid rain	3	
	B	pesticide	4	
	C	methane	1	
	D	sulfur dioxide	2	
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Three	A	sexual reproduction	1	
	B	taking cuttings	2	
	C	tissue culture	4	
	D	transplanting embryos	3	
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Four	A	Homo sapiens	3	
	B	Australopithecus robustus	4	
	C	Australopithecus afarensis	1	
	D	Homo habilis	2	
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Five	A	extinction	4	
	B	natural selection	1	
	C	mutation	3	
	D	variation	2	
<hr/>				
Six	A	nucleus transferred from skin cell of Dog Y	2	
	B	electric shock applied	3	
	C	ball of cells inserted into womb of female	4	
	D	nucleus removed from egg cell	1	
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	A	B	C	D
Seven	3	3	1	4
Eight	4	2	2	1
Nine	1	2	2	3

**GCSE**  
**SCIENCE A (4461)/BIOLOGY (4411)**  
 Objective Test Answer Key  
**BLY1BP (Evolution and Environment)**  
 Higher Tier

Question	<b>Key</b>			
One	<b>A</b>	nucleus transferred from skin cell of Dog Y	<b>2</b>	
	<b>B</b>	electric shock applied	<b>3</b>	
	<b>C</b>	ball of cells inserted into womb of female	<b>4</b>	
	<b>D</b>	nucleus removed	<b>1</b>	
Two	<b>A</b>	mutation	<b>3</b>	
	<b>B</b>	natural selection	<b>1</b>	
	<b>C</b>	extinction	<b>4</b>	
	<b>D</b>	variation	<b>2</b>	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Three	<b>4</b>	<b>2</b>	<b>2</b>	<b>1</b>
Four	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>
Five	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>
Six	<b>2</b>	<b>1</b>	<b>4</b>	<b>4</b>
Seven	<b>1</b>	<b>3</b>	<b>3</b>	<b>2</b>
Eight	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>
Nine	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>