



**GCSE**

**Science A (4461)**

*Specification A*

**BLY1BP, BL1BSF & BL1BSH**

**Mark Scheme**

*2008 examination – March series*

Mark schemes are prepared by the Principal Examiner and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation meeting attended by all examiners and is the scheme which was used by them in this examination. The standardisation meeting ensures that the mark scheme covers the candidates' responses to questions and that every examiner understands and applies it in the same correct way. As preparation for the standardisation meeting each examiner analyses a number of candidates' scripts: alternative answers not already covered by the mark scheme are discussed at the meeting and legislated for. If, after this meeting, examiners encounter unusual answers which have not been discussed at the meeting they are required to refer these to the Principal Examiner.

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**GCSE**  
**SCIENCE A (4461)/BIOLOGY (4411)**  
 Objective Test Answer Key  
**BLY1BP (Evolution and Environment)**  
**March 2008**  
 Foundation Tier

Question	<b>Key</b>			
One	<b>A</b>	Large eyes	<b>1</b>	
	<b>B</b>	Sticky pads on feet	<b>4</b>	
	<b>C</b>	Long hind legs	<b>3</b>	
	<b>D</b>	Green and brown skin	<b>2</b>	
Two	<b>A</b>	genes	<b>2</b>	
	<b>B</b>	gametes	<b>3</b>	
	<b>C</b>	embryos	<b>4</b>	
	<b>D</b>	characteristics	<b>1</b>	
Three	<b>A</b>	<b>3</b>		
	<b>B</b>	<b>2</b>		
	<b>C</b>	<b>4</b>		
	<b>D</b>	<b>1</b>		
Four	<b>A</b>	sheep	<b>1</b>	
	<b>B</b>	insects	<b>2</b>	
	<b>C</b>	sea urchins	<b>3</b>	
	<b>D</b>	crocodiles	<b>4</b>	
Five	<b>A</b>	an advantage of site X	<b>4</b>	
	<b>B</b>	a disadvantage of site X	<b>1</b>	
	<b>C</b>	an advantage of site Y	<b>2</b>	
	<b>D</b>	a disadvantage of site Y	<b>3</b>	
Six	<b>A</b>	carbon dioxide	<b>3</b>	
	<b>B</b>	pesticide	<b>4</b>	
	<b>C</b>	fertiliser	<b>1</b>	
	<b>D</b>	sewage	<b>2</b>	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Seven	<b>3</b>	<b>4</b>	<b>1</b>	<b>4</b>
Eight	<b>3</b>	<b>2</b>	<b>3</b>	<b>2</b>
Nine	<b>3</b>	<b>2</b>	<b>4</b>	<b>3</b>

**GCSE**  
**SCIENCE A (4461)/BIOLOGY (4411)**  
 Objective Test Answer Key  
**BLY1BP (Evolution and Environment)**  
**March 2008**  
 Higher Tier

Question	<b>Key</b>			
One	<b>A</b>	carbon dioxide	<b>3</b>	
	<b>B</b>	pesticide	<b>4</b>	
	<b>C</b>	fertiliser	<b>1</b>	
	<b>D</b>	sewage	<b>2</b>	
Two	<b>A</b>	competition	<b>3</b>	
	<b>B</b>	environmental change	<b>1</b>	
	<b>C</b>	survival	<b>4</b>	
	<b>D</b>	extinction	<b>2</b>	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Three	<b>3</b>	<b>2</b>	<b>3</b>	<b>2</b>
Four	<b>3</b>	<b>2</b>	<b>4</b>	<b>3</b>
Five	<b>1</b>	<b>3</b>	<b>4</b>	<b>1</b>
Six	<b>2</b>	<b>4</b>	<b>3</b>	<b>3</b>
Seven	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>
Eight	<b>2</b>	<b>3</b>	<b>3</b>	<b>4</b>
Nine	<b>1</b>	<b>3</b>	<b>2</b>	<b>3</b>