



**GCSE**

**Science A (4461)**

*Specification A*

**BLY1AP, BL1ASF & BL1ASH**

**Mark Scheme**

*2008 Examination – November 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  
**BLY1AP (Human Biology)**  
Foundation Tier

Question	Key			
One	<b>A</b>	stimulates temperature receptors	<b>4</b>	
	<b>B</b>	stimulates sound receptors	<b>3</b>	
	<b>C</b>	stimulates chemical receptors	<b>2</b>	
	<b>D</b>	stimulates light receptors	<b>1</b>	
Two	<b>A</b>	removed from ovary	<b>2</b>	
	<b>B</b>	womb (uterus)	<b>4</b>	
	<b>C</b>	provided by father	<b>1</b>	
	<b>D</b>	embryo	<b>3</b>	
Three	<b>A</b>	produces cholesterol	<b>2</b>	
	<b>B</b>	produces sweat	<b>3</b>	
	<b>C</b>	produces urine	<b>4</b>	
	<b>D</b>	produces hormones	<b>1</b>	
Four	<b>A</b>	falls to almost zero by 25 days	<b>4</b>	
	<b>B</b>	levels off after 10 days	<b>1</b>	
	<b>C</b>	reaches a peak at 13 days and then falls slowly	<b>3</b>	
	<b>D</b>	rises throughout the 25 days	<b>2</b>	
Five	<b>A</b>	heroin	<b>1</b>	
	<b>B</b>	carbon monoxide	<b>4</b>	
	<b>C</b>	nicotine	<b>2</b>	
	<b>D</b>	alcohol	<b>3</b>	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Six	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>
Seven	<b>3</b>	<b>2</b>	<b>4</b>	<b>2</b>
Eight	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>
Nine	<b>3</b>	<b>1</b>	<b>3</b>	<b>3</b>

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

Question	Key			
One	<b>A</b>	heroin		<b>1</b>
	<b>B</b>	carbon monoxide		<b>4</b>
	<b>C</b>	nicotine		<b>2</b>
	<b>D</b>	alcohol		<b>3</b>
Two	<b>A</b>	mono-unsaturated fats		<b>3</b>
	<b>B</b>	LDLs		<b>4</b>
	<b>C</b>	salt		<b>1</b>
	<b>D</b>	sugar		<b>2</b>
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Three	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>
Four	<b>3</b>	<b>1</b>	<b>3</b>	<b>3</b>
Five	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>
Six	<b>4</b>	<b>3</b>	<b>2</b>	<b>4</b>
Seven	<b>3</b>	<b>4</b>	<b>3</b>	<b>2</b>
Eight	<b>3</b>	<b>4</b>	<b>3</b>	<b>3</b>
Nine	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>