



GCSE

Science A (4461)

Specification A

BLY1BP, BL1BSF & BL1BSH

Mark Scheme

2009 Examination – March 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

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GCSE
SCIENCE A (4461)/BIOLOGY (4411)
 Objective Test Answer Key
BLY1BP (Evolution and Environment)
March 2009
 Foundation Tier

Question	Key			
One	A	conserves forests		4
	B	uses a renewable energy source		2
	C	reduces quarrying		1
	D	saves electrical energy		3
Two	A	The camel's stomach can hold 200 litres of water.	3	
	B	The camel produces little urine and does not sweat.	1	
	C	Camels store fat in a hump.	4	
	D	Camels can withstand an increase in body temperature of 9°C without harm.		2
Three	A	Humboldt	2	
	B	Magellanic	3	
	C	Rockhopper	4	
	D	Emperor	1	
Four	A	insulin is produced by genetically engineered bacteria	3	
	B	diabetics inject insulin to control diabetes	4	
	C	the insulin gene is 'cut out' using enzymes	1	
	D	the insulin gene is transferred into a bacterium	2	
Five	A	cell	4	
	B	nucleus	1	
	C	chromosome	2	
	D	gene	3	
	A	B	C	D
Six	2	1	4	1
Seven	3	3	4	3
Eight	2	3	3	2
Nine	2	4	4	3

GCSE
SCIENCE A (4461)/BIOLOGY (4411)
 Objective Test Answer Key
BLY1BP (Evolution and Environment)
March 2009
 Higher Tier

Question	Key			
One	A	cell	4	
	B	nucleus	1	
	C	chromosome	2	
	D	gene	3	
Two	A	oxygen	4	
	B	sulfur dioxide	1	
	C	pesticide	3	
	D	carbon dioxide	2	
	A	B	C	D
Three	2	3	3	2
Four	2	4	4	3
Five	4	1	3	2
Six	2	4	1	3
Seven	3	2	4	4
Eight	4	3	4	3
Nine	1	3	2	3