



GCSE

Science A 4461

Biology 4411

BLY1BP F & H

BLY1BS F & H

Mark Scheme

2007 examination - November 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.

It must be stressed that a mark scheme is a working document, in many cases further developed and expanded on the basis of candidates' reactions to a particular paper. Assumptions about future mark schemes on the basis of one year's document should be avoided; whilst the guiding principles of assessment remain constant, details will change, depending on the content of a particular examination paper.

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BLY1B (Evolution and Environment)

Foundation Tier

Question	Key			
One	A	carbon dioxide	4	
	B	sewage	2	
	C	pesticide	1	
	D	sulfur dioxide	3	
Two	A	egg cell nucleus removed	4	
	B	intestinal cell nucleus inserted into egg cell	2	
	C	cells from the intestine removed from frog	1	
	D	egg develops into an embryo	3	
Three	A	oily feathers	2	
	B	large, wide feet	3	
	C	thick layer of fat under the skin	1	
	D	streamlined body	4	
Four	A	glass	2	
	B	paper	1	
	C	plastic	4	
	D	steel	3	
Five	A	tissue culture	2	
	B	taking cuttings	1	
	C	sexual reproduction	3	
	D	transplanting embryos	4	
Six	A	a recent photograph of an ivory-billed woodpecker	3	
	B	people claiming to have seen the ivory-billed woodpecker	4	
	C	the distinct bird calls	1	
	D	the knocking on the trunk of a tree	2	
	A	B	C	D
Seven	4	2	3	1
Eight	4	2	3	2
Nine	2	2	3	3

BLY1B (Evolution and Environment)

Higher Tier

Question	Key			
One	A	a recent photograph of an ivory-billed woodpecker		3
	B	people claiming to have seen the ivory-billed woodpecker		4
	C	the distinct bird calls		1
	D	the knocking on the trunk of a tree		2
Two	A	oil gland near the tail	4	
	B	heavy, solid bones	3	
	C	dark coloured feathers on back	2	
	D	webbed feet	1	
	A	B	C	D
Three	4	2	3	2
Four	2	2	3	3
Five	4	2	3	1
Six	1	2	4	2
Seven	1	4	1	4
Eight	4	3	3	4
Nine	2	1	4	3