



GCSE

Science A 4461

Biology 4411

BLY1B F & H

Mark Scheme

2007 examination - June 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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BLY1B (Evolution and Environment)

Foundation Tier

Question	Key			
One	A	leaves are poisonous	4	
	B	leaves have prickles	3	
	C	blue skin with yellow spots	2	
	D	white colour	1	
Two	A	biodiversity	2	
	B	carbon dioxide	1	
	C	energy	4	
	D	methane	3	
Three	A	characteristics	1	
	B	chromosomes	3	
	C	genes	2	
	D	mutations	4	
Four	A	burning fuels that release sulfur dioxide	3	
	B	digging a new quarry	4	
	C	sewage disposal	2	
	D	using pesticides on crops	1	
Five	A	Clover	2	
	B	Daisy	1	
	C	Mimulus	3	
	D	Plantain	4	
Six	A	fusion of two gametes	1	
	B	fusion cell cloning	3	
	C	transplanting embryos	2	
	D	tissue culture	4	
	A	B	C	D
Seven	3	1	4	3
Eight	2	2	4	4
Nine	2	4	2	2

BLY1B (Evolution and Environment)

Higher Tier

Question	Key			
One	A	fusion of two gametes	1	
	B	fusion cell cloning	3	
	C	transplanting embryos	2	
	D	tissue culture	4	
Two	A	trees	3	
	B	cattle	4	
	C	lichens	1	
	D	invertebrates	2	
	A	B	C	D
Three	2	2	4	4
Four	2	4	2	2
Five	1	1	4	3
Six	1	2	1	*
Seven	2	1	4	2
Eight	2	2	3	2
Nine	3	1	4	1

* This question is removed