



GCSE

Science A 4461
Chemistry 4421

CHY1BP F & H

CHY1BS 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.

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Set and published by the Assessment and Qualifications Alliance.

CHY1B (Oils, Earth and Atmosphere)

Foundation Tier

Question	Key			
One	A	colouring		2
	B	emulsifier		1
	C	preservative		3
	D	sweetener		4
Two	A	screwdriver		3
	B	disposable coffee cup		4
	C	bottle for soft drinks		2
	D	frying pan		1
Three	A	olive		3
	B	palm		4
	C	rapeseed		2
	D	sunflower		1
Four	A	ammonia		3
	B	helium		2
	C	methane		1
	D	oxygen		4
Five	A	alkene with the smallest molecules		2
	B	alkene with the largest molecules		3
	C	alkane		1
	D	polymer		4
Six	A	oil hardens and additives are mixed in		4
	B	sunflower oil separates from the water		2
	C	water is added and the mixture is stirred		1
	D	sunflower oil is reacted with hydrogen		3
	A	B	C	D
Seven	4	2	3	2
Eight	4	4	3	4
Nine	1	2	1	2

CHY1B (Oils, Earth and Atmosphere)

Higher Tier

Question	Key			
One	A	oil hardens and additives are mixed in	4	
	B	sunflower oil separates from the water	2	
	C	water is added and the mixture is stirred	1	
	D	sunflower oil is reacted with hydrogen	3	
Two	A		1	
	B		2	
	C		4	
	D		3	
	A	B	C	D
Three	4	4	3	4
Four	1	2	1	2
Five	4	2	3	1
Six	4	2	3	4
Seven	3	2	2	1
Eight	1	2	2	3
Nine	1	2	3	4