MARK SCHEME for the May / June 2012 question paper

for the guidance of teachers

0620 CHEMISTRY

0620 / 51 Paper 5 (Practical), maximum raw mark 40

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

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	Page 2		Mark Scheme: Teachers' version	Syllabus	Paper
			IGCSE – May/June 2012	0620	51
1	(a)	Table o volume 1,2,4,5			
			of solid boxes completed (1) in mm (1) ing order / last 2 level out (1)		[4]
	(b)	approp	ts correctly plotted including origin (2), –1 for any inc riate scale for y axis(at least half of grid) (1) straight line graph drawn with a ruler(1)	correct	[4]
	(c)	value f	om graph (1) unit (1) shown clearly (1)		[3]
	(d)	precipi	ation / double decomposition (1)		[1]
	(e)	height	ncreases(1) levels off (1)		[2]
	(f)	same h	eights owtte (1)		
•		all lead	nitrate reacted / / reaction finished / excess potassi	um chloride (1)	[2]
	(g)	yellow	precipitate / solid (1)		[1]
	(h)	improv			
		e.g. us wider r explan			
		e.g. ins more re	[2]		
2	(a)	white ())		[1]
	(b)	SO	ndensation / drops of liquid / water / steam (1) id is still white no (colour) change (1) ces / effervescence (1) lighted splint extinguished / o	wtte (1)	[2] [2]
		• •	z / bubbles / effervescence (1) limewater(1) ky / cloudy / white precipitate (1)		[3]
		• •	ervescence / fizz / bubbles (1) kens / turns black / green (1) ignore: blue		[2]
			scription of smell of ammonia / sublimate (1) paper turns blue / green or pH > 7 (1) allow : litmus	goes blue	[2]

Pag	ge 3	Mark Scheme: Teachers' version	Syllabus	Paper
		IGCSE – May/June 2012	0620	51
. ,		nperature recorded (1) °C (1) perature recorded and lower (1))		[3] [1]
(d)	carbon d	ioxide (1)		[1]
(e)	ammonia	n (1) not : ammonium		[1]
(f)	endother	mic (1)		[1]
		ncarbonate / carbonate (1) alkaline (1) not : sodium sition metal (1) max 2	hydroxide	[2]