

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

## 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.

• Cambridge will not enter into discussions or correspondence in connection with these mark schemes.

Cambridge is publishing the mark schemes for the May / June 2012 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



Page 2		ge 2	Mark Scheme: Teachers' version	Syllabus	Paper
1	(a)	Table	IGCSE – May/June 2012	0620	51
	()	volume 1,2,4,5 heights ascend	[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)	orrect	[4]
	(c)	value f	rom graph (1) unit (1) shown clearly (1)		[3]
	(d)	precipi	ation / double decomposition (1)		[1]
	(e)	height	increases(1) levels off (1)		[2]
	(f)	same ł	eights owtte (1)		
•		all lead	nitrate reacted / / reaction finished / excess potassin	um chloride (1)	[2]
	(g)	yellow	precipitate / solid (1)		[1]
	(h)	improv			
		e.g. us wider r explan			
		e.g. instead of a measuring cylinder / heights more accurate / take average / more reliable / accurate		[2]	
2	(a)	white (	1)		[1]
	(b)	SO	ndensation / drops of liquid / water / steam (1) lid is still white no (colour) change (1) zes / effervescence (1) lighted splint extinguished / ov	wtte (1)	[2] [2]
			z / bubbles / effervescence (1) limewater(1) ky / cloudy / white precipitate (1)		[3]
			ervescence / fizz / bubbles (1) rkens / turns black / green (1) ignore: blue		[2]
			scription of smell of ammonia / sublimate (1) paper turns blue / green or pH > 7 (1) <b>allow</b> : 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) I)		[3] [1]
(d)	carbon d	ioxide (1)		[1]
(e)	ammonia	a (1) <b>not</b> : ammonium		[1]
(f)	endother	mic (1)		[1]
		ncarbonate / carbonate (1) alkaline (1) <b>not</b> : sodium sition metal (1) max 2	hydroxide	[2]