## 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		Mark Scheme: Teachers' version	Syllabus	Paper
			IGCSE – May/June 2012	0620	51
1	(a)	Table of			
		volume 1,2,4,5,			
		heights ascendi	[4]		
		accondi	[,]		
	(b)	all point			
			iate scale for y axis(at least half of grid) (1) straight line graph drawn with a ruler(1)		[4]
	(-)		······································		101
	(C)	value tro	om graph (1) unit (1) shown clearly (1)		[3]
	(d)	precipita	ation / double decomposition (1)		[1]
	(e)	height ir	ncreases(1) levels off (1)		[2]
	(f)	same he	eights owtte (1)		
•		all lead	nitrate reacted / / reaction finished / excess potassi	um chloride (1)	[2]
	(g)	yellow	precipitate / solid (1)		[1]
	(h)	improve			
		e.g. use			
		wider ra explana			
		•	e / take average /		
		more re	[2]		
2	(a)	white (1	)		[1]
	(b)		densation / drops of liquid / water / steam (1)		
			d is still white no (colour) change (1) es / effervescence (1) lighted splint extinguished / ov	wtte (1)	[2] [2]
		• •	/ bubbles / effervescence (1) limewater(1)		
		milł	xy / cloudy / white precipitate (1)		[3]
		• •	ervescence / fizz / bubbles (1) kens / turns black / green (1) ignore: blue		[2]
		(iv) des	cription 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
		perature recorded (1) °C (1) perature recorded and lower (1) )		[3] [1]
(d)	carbon d	ioxide (1)		[1]
(e)	ammonia	n (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]