MARK SCHEME for the May/June 2010 question paper

for the guidance of teachers

0620 CHEMISTRY

0620/51

Paper 51 (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 2010	0620	51		
1	volume for in	[1]				
	Table of results for Experiment 1					
	initial temper other temper comparable t	[3]				
	volume for in	[1]				
	Table of resu					
	initial temper other temper comparable t	hen decreasing	[3]			
		correctly plotted (3), –1 for any incorrect ine graphs or two intersecting straight lines (2))		[6]		
	(b) value fro shown cl			[2]		
	(c) pink to c	olourless not clear		[1]		
	(d) (i) expe	eriment 1		[1]		
	• •	C more concentrated (1)				
		nger (1) e collisions (1) max [2]		[2]		
	• •	nperature or initial temperature from table (1) finished owtte (1)		[2]		
2	Tests on solid E					
	(a) white/col	ourless (solid)		[1]		
	pH pape	ns into a liquid/drops of liquid at top of test-tube/ste r turns red/pH 1–4 (1) ellow gas (1) max [2]	am (1)	[2]		
		e (1) ipitate (1) excess dissolves/clears (1)		[3]		

Pa	ge 3	Mark Scheme: Teachers' version	Syllabus	Paper	
		IGCSE – May/June 2010	0620	51	
	 (ii) white precipitate (1) insoluble/does not dissolve/no change (1) 				
	(iii) pH <u>^</u> no re	I <u>–4</u> (1) eaction owtte (1)		[2]	
		rvescence/fizz/bubbles (1) baper blue/purple/dark green (1)		[2]	
(d)	acid (1) not a sul	fate (1)		[2]	
(e)	e) ammonia (1)			[1]	
(f)	aluminiu nitrate (1			[3]	
	nyurateu			[Total: 40]	