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## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

**International General Certificate of Secondary Education** 

## MARK SCHEME for the October/November 2010 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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CIE is publishing the mark schemes for the October/November 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Page 2			Mark Scheme	e: Teachers' version	Syllabus	O. Ir	
	go <b>-</b>			ber/November 2010	0620	OB.	
(a)	initial ten	nperatui nperatui	e boxes corre	t 1 bleted correctly (1) ctly completed (1) i.e. decreasing		O ADAC AMbridge	
(b)	Table of results for <i>Experiment 2</i> initial/final temperature boxes completed correctly (1) comparable to supervisors (1) i.e. increasing						
(c)		traight li		–1 for any incorrect wn with a ruler (2)		[6]	
(d)	(i) valu	e from g	raph (1) show	n clearly (1)		[2]	
	(ii) valu	e from g	raph (1) show	n clearly (1)		[2]	
(e)	endothe	rmic				[1]	
(f)	•	•	anges) would b gnore referenc	oe smaller owtte (1) es to rate		[2]	
(g)	solid wor smaller s			ver or take longer to observe	final temperature (1)	[2]	
(h)		oette or	burette instead	ate /use digital thermometer/ d of measuring cylinder/use d		vtte [1]	
						[Total: 21]	
(a)	yellow (1	) precip	itate (1)			[2]	
(b)	white (pr	ecipitate	e)			[1]	
(c)		r blue/p	zz/bubbles (1) urple/> 7 (1) max 2	ignore references to hydro	ogen	[2]	

1

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Page 3	Mark Scheme: Teachers' version	Syllabus	2
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		•	S

(d) yellow/brown/orange colour hot (1) faded/goes white when cool (1)

(e) bubbles/fizz etc (1) limewater turns milky (1)

[2]

(f) (i) white precipitate (1) dissolves/clears (1)

[2]

(ii) white precipitate (1) dissolves/clears (1) see Supervisor's report

[2]

(g) ammonia ignore hydrogen

[1]

(h) silver/lead (1) nitrate (1)

[2]

(i) zinc (1) allow aluminium dependent on (f) (ii) gives off carbon dioxide (when acid added) (1) carbonate (1)

[3]

[Total: 19]