

**JUNE 2002**

**INTERNATIONAL GCSE**

**MARK SCHEME**

**MAXIMUM MARK : 30**

**SYLLABUS/COMPONENT : 0652/5**

**PHYSICAL SCIENCE  
(PRACTICAL TEST)**

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Mark Scheme for Q1

- |        |   |   |
|--------|---|---|
| (a)    | brief description and result. Allow cold water  | 2 |
| (b)(i) | pH between 8 and 9 (can be varied to match supervisor)  | 1 |
| (ii)   | pH has increased(ONE)   |   |
|        | colour changes described showing move towards dark blue(ONE)  | 2 |
| (c)    | glowing splinter not relit (ONE)  |   |
|        | limewater milky therefore carbon dioxide(ONE)   | 2 |
| (d)    | effervescence or equivalent BUT not gas off<br>no ppt. OR sulphate produces a ppt.  | 2 |
| (e)    | litmus blue(ONE) ammonia (ONE)  | 2 |
| (e)    | description to include<br>adding P to some acid<br>practical observation of a drop in temp.<br>deciding it is endothermic | 3 |
| (g)    | solid is potassium hydrogencarbonate  | 1 |

total 15

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### Mark Scheme for Q2

	Length in mm	
	Current in mA and bear some resemblance to SV	
	Good spread of length values 2 values either side of 400mm	
	Current decreases with increase length	
	Six sets of values	5
Graph	Scale sensible	
	Plotting for 4 results is correct	
	suitable curve	3
readings	<u>reading off from graph</u> correctly (graph must include 1000mm)	1
calculation	correct calculation	
	value within 10% of supervisors value	2
	diagram shows voltmeter, ammeter and resistor in circuit	
	each of the above correctly placed in circuit allow one mark if voltmeter is correctly placed.	2
	measure current & voltage	
	show these are proportional	2
	total	15