

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

## MARK SCHEME for the June 2005 question paper

### 0620 CHEMISTRY

0620/06

Paper 6 (Alternative to Practical), maximum mark 60

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which Examiners were initially instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published *Report on the Examination*.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the *Report on the Examination*.

- CIE will not enter into discussion or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the June 2005 question papers for most IGCSE and GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



**Grade thresholds** for Syllabus 0620 (Chemistry) in the June 2005 examination.

	maximum mark available	minimum mark required for grade:			
		A	C	E	F
Component 6	60	48	38	27	22

The threshold (minimum mark) for B is set halfway between those for Grades A and C.  
The threshold (minimum mark) for D is set halfway between those for Grades C and E.  
The threshold (minimum mark) for G is set as many marks below the F threshold as the E threshold is above it.

Grade A\* does not exist at the level of an individual component.



June 2005

**IGCSE**

MARK SCHEME

MAXIMUM MARK: 60

SYLLABUS/COMPONENT: 0620/06

CHEMISTRY  
Alternative to Practical





Page 2	Mark Scheme	Syllabus	Paper
	IGCSE – JUNE 2005	0620	6

- (d) (i) hydrogen (1) [1]  
(ii) carbon dioxide (1) [1]
- (e) copper (1) 2+ (1) [2]
- 6 (a) no/little water present/little water implied (1) [1]  
(b) any value less than 7 (1) [1]  
(c) chromatography (1) apply to paper (1) use of solvent (1)  
description of two yellow spots (1) [4]  
paper in drink = max 2
- 7 (a) straight line (1) DRAWN WITH A RULER [1]  
(b) inaccurate point is at pH 5 (1) not on line (1) [2]  
(c) % corrosion decreases as pH increases (1) [1]
- 8 same amount/measured volume of peroxide (1)  
add known mass of metal oxide (1)  
time (1) measure volume of oxygen (1)  
repeat with other oxide (1) compare/conclusion (1) [6]  
method will not work = 0

**Total 60**