

# Acids, Bases and Salts

## Mark Scheme 6

<b>Level</b>	IGCSE
<b>Subject</b>	Chemistry
<b>Exam Board</b>	CIE
<b>Topic</b>	Acids, Bases and Salts
<b>Sub-Topic</b>	
<b>Paper Type</b>	Alternative to Practical
<b>Booklet</b>	Mark Scheme 6

**Time Allowed:** 41 minutes

**Score:** /34

**Percentage:** /100

- 1 (a) So that all acid is used up/neutralised (1) [1]
- (b) filter (1) [1]
- (c) (i) no more solid/solute can dissolve (1) at that temperature (1) [2]
- (ii) use a glass rod to show crystals forming/observe crystals forming on edge of solution (1) [1]
- (d) to prevent breakdown of the crystals/not form powder/not lose water (1) [1]
- 2(a) Boxes filled in correctly to show  
 tongs(1)  
 watch glass/evaporating basin/dish(1)  
 beaker(1) [3]
- (b) oxidation/combustion/exothermic/redox(1) [1]
- (c) > 7(1) [1]
- 3 table of results:
- all initial and final volume boxes correctly completed 0.0, 10.6, 14.9 36.1 (3)
- difference boxes correctly completed, 10.6, 21.2 (1) [4]
- (a) neutralisation (1) [1]
- (b) (i) experiment 2 (1) [1]
- (ii) experiment 2 more/greater volume (1) x 2 (1) [2]
- (iii) M more concentrated/stronger than N (1) x 2 (1) [2]
- (c) 21.2 (1) cm<sup>3</sup> (1)
- twice as much calcium hydroxide (1) [3]
- (d) e.g. use a pipette/burette instead of a measuring cylinder (1) [1]

- 4 (b) (i) fizz/bubbles (1) pops (1) [2]  
(ii) fizz/bubbles (1) limewater milky (1) [2]  
(c) weak (1) [1]  
(d) (i) hydrogen (1) [1]  
(ii) carbon dioxide (1) [1]  
(e) copper (1) 2+ (1) [2]