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Cambridge Ordinary Level

CHEMISTRY

5070/31

Paper 3 Practical Test

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MARK SCHEME

Maximum Mark: 40

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This document consists of **4** printed pages.

Question	Answer	Marks
<p>General points R is zinc sulfate S is iron(II) sulfate For gases: to gain credit for the name of the gas produced, the test must be at least partially correct. Solutions: colourless is not equivalent to clear and clear is not equivalent to colourless. No credit is given for conclusions based upon incorrect observations.</p>		
2 R (test 1)	(a) white ppt (1) (b) (ppt) dissolves / soluble (in excess) (1) colourless solution (1)	21
2 R (test 2)	(a) white ppt (1) (b) (ppt) dissolves / soluble (in excess) (1) colourless solution (1) (c) no reaction (1)	
2 R (test 3)	(a) no reaction (1) (b) white ppt (1) (c) no reaction (1)	
2 S (test 1)	(a) green ppt (1) (b) insoluble in excess (1)	
2 S (test 2)	(a) green ppt (1) (b) insoluble in excess (1) (c) bubbles (1) gas relights a glowing splint (1) oxygen (1) red/brown (solid) (1)	
2 S (test 3)	(a) no reaction (1) (b) white ppt (1) (c) no reaction (1)	

Question	Answer	Marks
Conclusions	R is zinc sulfate / ZnSO_4 / $\text{Zn}^{2+} \text{SO}_4^{2-}$ (1) Evidence: Tests 1 and 2 white ppt which dissolves in excess and Test 3 correct in (a), (b) and (c) S is iron(II) sulfate / FeSO_4 / $\text{Fe}^{2+} \text{SO}_4^{2-}$ (1) Evidence: Tests 1 and 2 green ppt insoluble in excess and Test 3 correct in (a), (b) and (c)	2