

5(a)(i)	M1 ionic compound M2 molten and / or aqueous	2
5(a)(ii)	oxidation number (of copper)	1
5(a)(iii)	fades / (becomes) colourless	1
5(a)(iv)	$\text{Cu}^{2+} + 2\text{e} \rightarrow \text{Cu}$ M1 Cu^{2+} and (any number of) e on left hand side M2 equation correct	2
5(a)(v)	OH^-	1
5(b)	anode dissolves	1

Question	Answer	Marks
5(c)(i)	M1 silver M2 spoon M3 (aqueous or solution) of silver nitrate	3
5(c)(ii)	M1 prevent corrosion M2 improve appearance	2
5(d)(i)	M1 carbon dioxide: (increased) global warming M2 carbon monoxide: toxic	2
5(d)(ii)	needs high pressure to store hydrogen	1

Question	Answer	Marks
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