

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

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

Question	Answer	Marks