

Multiple Choice Answers

Q12: C

Q13: D

Multiple Choice Answers

Q13: C

Multiple Choice Answers

Q13: A

Q14: A

Multiple Choice Answers

Q10: C

Q11: B

3(a)	M1 ionic M2 molten M3 in aqueous solution
3(b)(i)	increase
3(b)(ii)	becomes paler blue or becomes colourless
3(b)(iii)	bubbles
3(b)(iv)	$4\text{OH}^- \rightarrow 2\text{H}_2\text{O} + \text{O}_2 + 4\text{e}^-$ M1 any negatively charged OH species losing electrons OR $\text{H}_2\text{O} + \text{O}_2$ as only products (other than electrons) on RHS M2 any negatively charged OH species losing electrons AND $\text{H}_2\text{O} + \text{O}_2$ as only products (other than electrons) on RHS M3 correct equation
3(c)(i)	increases
3(c)(ii)	no change
3(d)(i)	bauxite
3(d)(ii)	cryolite
3(d)(iii)	M1 anodes or carbon / graphite react with oxygen / O_2 M2 (form) carbon dioxide

Multiple Choice Answers

Q14: C