

Multiple Choice Answers

Q18: C

Multiple Choice Answers

Q19: C

Multiple Choice Answers

Q18: A

Q22: B

2(a)(i)	hematite
2(a)(ii)	burning of carbon (coke)
2(a)(iii)	carbon monoxide
2(a)(iv)	$3\text{CO} + \text{Fe}_2\text{O}_3 \rightarrow 2\text{Fe} + 3\text{CO}_2$ M1 species M2 correct equation
2(a)(v)	M1 $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$ M2 $\text{CaO} + \text{SiO}_2 \rightarrow \text{CaSiO}_3$
2(b)	M1 atoms of the same element that have the same number of protons M2 but different numbers of neutrons
2(c)(i)	p = 26 and 26 n = 28 and 32 e = 24 and 23
2(c)(ii)	M1 NaOH(aq) OR NH ₃ (aq) M2 green ppt. (insoluble in excess, ppt. turns brown near surface on standing)
2(d)(i)	a substance that oxidises another substance and is itself reduced M1 'a substance' oxidises another substance M2 is itself reduced
2(d)(ii)	loss of (one) electron
2(d)(iii)	acidified
2(e)	iodine

Multiple Choice Answers

Q17: C

Multiple Choice Answers

Q18: D

Multiple Choice Answers

Q21: D