

GCSE

**Science (Modular)
Double Award and Chemistry**

Module 05

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Metals: Foundation Tier

Question No.	KEY
One	1 – copper 2 – aluminium 3 – iron 4 – gold
Two	1 – potassium chloride 2 – nitric acid 3 – copper oxide 4 – zinc hydroxide
Three	1 – neutralisation 2 – corrosion 3 – electrolysis 4 – reduction
Four	1 – P 2 – Q 3 – R 4 – S
Five	1 – metal Z 2 – metal Y 3 – metal X 4 – metal W
Six	it can be bent and shaped it is a strong metal
Seven	copper chloride is decomposed into its elements copper ions move to the negative electrode
Eight	8.1 – D, 8.2 – B, 8.3 – B, 8.4 – C
Nine	9.1 – B, 9.2 – B, 9.3 – C, 9.4 – A
Ten	10.1 – C, 10.2 – D, 10.3 – C, 10.4 – B

Metals: Higher Tier

Question No.	KEY
One	1 – metal Z 2 – metal Y 3 – metal X 4 – metal W
Two	1 – copper 2 – copper oxide 3 – oxygen 4 – carbon monoxide
Three	copper chloride is decomposed into its elements copper ions move to the negative electrode
Four	at the end of electrolysis the negative electrode will be larger copper atoms from the impure electrode lose electrons to form copper ions
Five	5.1 – D, 5.2 – B, 5.3 – B, 5.4 – C
Six	6.1 – B, 6.2 – B, 6.3 – C, 6.4 – A
Seven	7.1 – C, 7.2 – D, 7.3 – C, 7.4 – B
Eight	8.1 – C, 8.2 – C, 8.3 – C, 8.4 – B
Nine	9.1 – A, 9.2 – D, 9.3 – B, 9.4 – B
Ten	10.1 – A, 10.2 – C, 10.3 – B, 10.4 – A