

GCSE

Science: (Modular)
Single Award and Chemistry

Module 15

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Materials and Reactions : Foundation Tier

Question No.	KEY
One	1 – iron ore 2 – waste gases 3 – slag 4 – molten iron
Two	1 – calcium carbonate 2 – carbon dioxide 3 – calcium oxide 4 – calcium hydroxide
Three	1 – hydrocarbons are heated 2 – hydrocarbons vaporise 3 – thermal decomposition occurs 4 – hydrocarbons with small molecules
Four	1 – sodium 2 – mercury 3 – tungsten 4 – iron
Five	1 – metal M 2 – metal N 3 – metal L 4 – metal K
Six	limestone and substance M react when they are heated together substance M is clay
Seven	petrol ignites more easily than diesel oil the boiling point of diesel oil is higher than the boiling point of petrol
Eight	8.1 – D, 8.2 – D, 8.3 – A, 8.4 – D
Nine	9.1 – B, 9.2 – C, 9.3 – A, 9.4 – C
Ten	10.1 – A, 10.2 – A, 10.3 – B, 10.4 – D

Materials and Reactions : Higher Tier

Question No.	KEY
One	1 – metal M 2 – metal N 3 – metal L 4 – metal K
Two	1 – M 2 – P 3 – L 4 – N
Three	petrol ignites more easily than diesel oil the boiling point of diesel oil is higher than the boiling point of petrol
Four	aluminium is more reactive than iron iron oxide is reduced
Five	5.1 – D, 5.2 – D, 5.3 – A, 5.4 – D
Six	6.1 – B, 6.2 – C, 6.3 – A, 6.4 – C
Seven	7.1 – A, 7.2 – A, 7.3 – B, 7.4 – D
Eight	8.1 – A, 8.2 – C, 8.3 – C, 8.4 – B
Nine	9.1 – B, 9.2 – C, 9.3 – A, 9.4 – B
Ten	10.1 – C, 10.2 – D, 10.3 – C, 10.4 – B