

GCSE

Science: (Modular)
Single Award and Chemistry

Module 15

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Materials and Reactions : Foundation Tier

| Question No. | KEY |
|--------------|---|
| One | 1 – Group 1 2 – the central block 3 – Group 2 4 – Group 0 |
| Two | 1 – limestone 2 – calcium oxide 3 – concrete 4 – slaked lime |
| Three | 1 – compounds 2 – elements 3 – molecules 4 – atoms |
| Four | 1 – Metal Y 2 – Metal Z 3 – Metal W 4 – Metal X |
| Five | 1 – cracking 2 – oxidation 3 – evaporation 4 – neutralisation |
| Six | argon carbon |
| Seven | substance Y has a higher boiling point than substance X substance Y is more viscous than substance X |
| Eight | 8.1 – C, 8.2 – C, 8.3 – C, 8.4 – A |
| Nine | 9.1 – A, 9.2 – C, 9.3 – A, 9.4 – A |
| Ten | 10.1 – D, 10.2 – B, 10.3 – C, 10.4 – C |

Materials and Reactions : Higher Tier

| Question No. | KEY |
|--------------|---|
| One | 1 – cracking 2 – oxidation 3 – evaporation 4 – neutralisation |
| Two | 1 – iron sulphate 2 – carbon monoxide 3 – copper oxide 4 – lead oxide |
| Three | substance Y has a higher boiling point than substance X substance Y is more viscous than substance X |
| Four | ammonia solution sodium hydroxide solution |
| Five | 5.1 – C, 5.2 – C, 5.3 – C, 5.4 – A |
| Six | 6.1 – A, 6.2 – C, 6.3 – A, 6.4 – A |
| Seven | 7.1 – D, 7.2 – B, 7.3 – C, 7.4 – C |
| Eight | 8.1 – D, 8.2 – C, 8.3 – B, 8.4 – B |
| Nine | 9.1 – A, 9.2 – C, 9.3 – C, 9.4 – D |
| Ten | 10.1 – B, 10.2 – A, 10.3 – C, 10.4 – D |