

GCSE

**Science (Modular)
Single Award**

Module 15

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Materials and Reactions: Foundation Tier

Question No.	KEY
One	1 – carbon 2 – oxygen 3 – water (vapour) 4 – sulphur
Two	1 – potassium 2 – iron (a transition element) 3 – carbon 4 – hydrogen
Three	1 – compounds 2 – elements 3 – atoms 4 – molecules
Four	1 – L 2 – J 3 – K 4 – M
Five	1 – W 2 – X 3 – Y 4 – Z
Six	all Group 2 elements have similar properties vertical columns of elements are called Groups
Seven	decane has the largest molecules ethane and butane are gases at 20 °C
Eight	8.1 – B, 8.2 – C, 8.3 – C, 8.4 – A
Nine	9.1 – C, 9.2 – D, 9.3 – A, 9.4 – C
Ten	10.1 – A, 10.2 – A, 10.3 – D, 10.4 – B

Materials and Reactions: Higher Tier

Question No.	KEY
One	1 – W 2 – X 3 – Y 4 – Z
Two	1 – ammonia 2 – hydrogen 3 – copper oxide 4 – ammonium sulphate
Three	decane has the largest molecules ethane and butane are gases at 20 °C
Four	iron rusts less quickly when attached to a more reactive metal iron rusts more quickly when attached to copper
Five	5.1 – B, 5.2 – C, 5.3 – C, 5.4 – A
Six	6.1 – C, 6.2 – D, 6.3 – A, 6.4 – C
Seven	7.1 – A, 7.2 – A, 7.3 – D, 7.4 – B
Eight	8.1 – D, 8.2 – A, 8.3 – A, 8.4 – D
Nine	9.1 – A, 9.2 – D, 9.3 – A, 9.4 – B
Ten	10.1 – C, 10.2 – B, 10.3 – A, 10.4 – D