

**GCSE**

Science: (Modular)  
Single Award

**Module 15**

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**Materials and Reactions : Foundation Tier**

Question No.	KEY
One	1 – oxygen (O <sub>2</sub> ) 2 – methane (CH <sub>4</sub> ) 3 – carbon dioxide (CO <sub>2</sub> ) 4 – water vapour (H <sub>2</sub> O)
Two	1 – a salt 2 – an alkali 3 – an acid 4 – an indicator
Three	1 – fraction 2 – molecule 3 – compound 4 – mixture
Four	1 – biodegrade 2 – condense 3 – combine 4 – neutralise
Five	1 – metal Z 2 – metal Y 3 – metal W 4 – metal X
Six	argon is in Group 0 more than $\frac{3}{4}$ of the elements are metals
Seven	concrete is a mixture substances with different boiling points can be separated by distillation
Eight	8.1 – D, 8.2 – B, 8.3 – A, 8.4 – A
Nine	9.1 – B, 9.2 – D, 9.3 – D, 9.4 – C
Ten	10.1 – C, 10.2 – C, 10.3 – C, 10.4 – D

**Materials and Reactions: Higher Tier**

Question No.	KEY
One	1 – metal Z 2 – metal Y 3 – metal W 4 – metal X
Two	1 – oxygen 2 – carbon dioxide 3 – ethene 4 – hydrogen
Three	concrete is a mixture substances with different boiling points can be separated by distillation
Four	J L
Five	5.1 – D, 5.2 – B, 5.3 – A, 5.4 – A
Six	6.1 – B, 6.2 – D, 6.3 – D, 6.4 – C
Seven	7.1 – C, 7.2 – C 7.3 – C 7.4 – D
Eight	8.1 – A 8.2 – D 8.3 – C 8.4 – D
Nine	9.1 – C 9.2 – D 9.3 – B 9.4 – D
Ten	10.1 – C 10.2 – B 10.3 – C, 10.4 – A