

**GCSE**

Science: (Modular)  
Double Award and Biology

**Module 02**

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**Maintenance of Life : Foundation Tier**

Question No.	KEY
One	1 – contains light receptors 2 – contains receptors sensitive to smells 3 – contains temperature receptors 4 – contains sound receptors
Two	1 – releases oxygen in the light 2 – strengthens the cell 3 – controls the activities of the cell 4 – contains cell sap
Three	1 – carbon dioxide 2 – water 3 – oxygen 4 – glucose
Four	1 – spinal cord 2 – sensory neurone 3 – receptor 4 – muscle
Five	1 – slows down reactions 2 – reduces the amount of oxygen in the blood 3 – makes it difficult to stop smoking 4 – affects behaviour when inhaled
Six	shoot Y has grown more than shoot X shoot Y has grown towards light from one side but shoot X has not
Seven	carbon dioxide urea
Eight	8.1 – B, 8.2 – D, 8.3 – B, 8.4 – B
Nine	9.1 – C, 9.2 – C, 9.3 – C, 9.4 – B
Ten	10.1 – B, 10.2 – B, 10.3 – B, 10.4 – C

**Maintenance of Life : Higher Tier**

Question No.	KEY
One	1 – slows down reactions 2 – reduces the amount of oxygen in the blood 3 – makes it difficult to stop smoking 4 – affects behaviour when inhaled
Two	1 – focus 2 – contract 3 – slacken 4 – change shape
Three	carbon dioxide urea
Four	the liver converts glycogen to glucose the pancreas secretes glucagon
Five	5.1 – B, 5.2 – D, 5.3 – B, 5.4 – B
Six	6.1 – C, 6.2 – C, 6.3 – C, 6.4 – B
Seven	7.1 – B, 7.2 – B, 7.3 – B, 7.4 – C
Eight	8.1 – C, 8.2 – B, 8.3 – B, 8.4 – D
Nine	9.1 – B, 9.2 – D, 9.3 – B, 9.4 – D
Ten	10.1 – B, 10.2 – C, 10.3 – D, 10.4 – D