

GCSE

**Science (Modular)
Double Award and Biology**

Module 02

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Maintenance of Life: Foundation Tier

Question No.	KEY
One	1 – retina 2 – lens 3 – iris 4 – sclera
Two	1 – contains temperature receptors 2 – contains receptors sensitive to chemicals 3 – contains light receptors 4 – contains sound preceptors
Three	1 – carbon dioxide 2 – urea 3 – urine 4 – ions
Four	1 – strengthens the cell 2 – contains chlorophyll 3 – filled with cell sap 4 – controls the activities of the cell
Five	1 – a waxy material 2 – absorbs most light energy 3 – carries sugars to the fruits 4 – where gases enter and leave the leaf
Six	glucose oxygen
Seven	abnormal behaviour damage to the liver
Eight	8.1 – C, 8.2 – A, 8.3 – B, 8.4 – B
Nine	9.1 – C, 9.2 – D, 9.3 – B, 9.4 – C
Ten	10.1 – D, 10.2 – D, 10.3 – A, 10.4 – C

Maintenance of Life: Higher Tier

Question No.	KEY
One	1 – a waxy material 2 – absorbs most light energy 3 – carries sugars to the fruits 4 – where gases enter and leave the leaf
Two	1 – glucagon 2 – ADH 3 – nicotine 4 – carbon monoxide
Three	abnormal behaviour damage to the liver
Four	dissolves ions sugars
Five	5.1 – C, 5.2 – A, 5.3 – B, 5.4 – B
Six	6.1 – C, 6.2 – D, 6.3 – B, 6.4 – C
Seven	7.1 – D, 7.2 – D, 7.3 – A, 7.4 – C
Eight	8.1 – A, 8.2 – B, 8.3 – D, 8.4 – C
Nine	9.1 – B, 9.2 – D, 9.3 – D, 9.4 – A
Ten	10.1 – C, 10.2 – C, 10.3 – A, 10.4 – A