



ASSESSMENT and
QUALIFICATIONS
ALLIANCE

Mark scheme
November 2003

GCSE

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

Module 02

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Maintenance of Life: Foundation Tier

Question	Key
One	1 – permanent vacuole 2 – nucleus 3 – cytoplasm 4 – cell wall
Two	1 – lung 2 – skin 3 – kidney 4 – bladder
Three	1 – cornea 2 – optic nerve 3 – suspensory ligament 4 – lens
Four	1 – nitrate 2 – the force of gravity 3 – light 4 – hormone
Five	1 – low birth mass of babies 2 – slowing down reactions 3 – suffering withdrawal symptoms 4 – lung and liver damage
Six	ear eye
Seven	carbon dioxide water
Eight	8.1 – A, 8.2 – B, 8.3 – C, 8.4 – C
Nine	9.1 – C, 9.2 – B, 9.3 – B, 9.4 – C
Ten	10.1 – D, 10.2 – B, 10.3 – D, 10.4 – A

Maintenance of Life: Higher Tier

Question	Key
One	1 – low birth mass of babies 2 – slowing down reactions 3 – suffering withdrawal symptoms 4 – lung and liver damage
Two	1 – focus 2 – relax 3 – tighten 4 – change shape
Three	carbon dioxide water
Four	the shoot can grow in the dark the shoot has grown against the direction of the force of gravity
Five	5.1 – A, 5.2 – B, 5.3 – C, 5.4 – C
Six	6.1 – C, 6.2 – B, 6.3 – B, 6.4 – C
Seven	7.1 – D, 7.2 – B, 7.3 – D, 7.4 – A
Eight	8.1 – A, 8.2 – D, 8.3 – C, 8.4 – D
Nine	9.1 – D, 9.2 – A, 9.3 – A, 9.4 – B
Ten	10.1 – A, 10.2 – B, 10.3 – A, 10.4 – B