



ASSESSMENT and
QUALIFICATIONS
ALLIANCE

Mark scheme
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GCSE

Science (Modular)
Double Award and Biology

Module 02

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Maintenance of Life: Foundation Tier

Question	Key
One	1 – eye 2 – skin 3 – ear 4 – nose
Two	1 – lung 2 – liver 3 – kidney 4 – bladder
Three	1 – produces sweat 2 – removes excess ions from the blood 3 – may develop emphysema 4 – co-ordinates the body's responses
Four	1 – tobacco 2 – alcohol 3 – nicotine 4 – carbon monoxide
Five	1 – water in here supports young plants 2 – controls movement in and out of the cell 3 – contains a green substance 4 – controls the activities of the cell
Six	shoot Y has grown more than shoot X shoot Y has grown towards light from one side but shoot X has not
Seven	the leaves had transpired the leaves had wilted
Eight	1 – D, 2 – B, 3 – D, 4 – A
Nine	1 – C, 2 – D, 3 – D, 4 – B
Ten	1 – B, 2 – B, 3 – B, 4 – C

Maintenance of Life: Higher Tier

Question	Key
One	1 – water in here supports young plants 2 – controls movement in and out of the cell 3 – contains a green substance 4 – controls the activities of the cell
Two	1 – a solvent 2 – carbon monoxide 3 – nicotine 4 - alcohol
Three	the leaves had transpired the leaves had wilted
Four	skin thermoregulatory centre
Five	1 – D, 2 – B, 3 – D, 4 – A
Six	1 – C, 2 – D, 3 – D, 4 – B
Seven	1 – B, 2 – B, 3 – B, 4 – C
Eight	1 – C, 2 – D, 3 – D, 4 – A
Nine	1 – B, 2 – D, 3 – C, 4 – D
Ten	1 – B, 2 – D, 3 – B, 4 – D