

GCSE

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

Module 01

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Humans as Organisms: Foundation Tier

Question No.	KEY
One	1 – protects the lungs 2 – pumps blood around the body 3 – separates the thorax from the abdomen 4 – carries air in and out of the thorax
Two	1 – cytoplasm 2 – controls the entry and exit of substances 3 – made of genes 4 – made of protein
Three	1 – skin 2 – white blood cell 3 – hydrochloric acid 4 – mucus
Four	1 – controls the activities of the sperm 2 – cell membrane 3 – where most chemical reactions take place 4 – moves the sperm
Five	1 – produces bile 2 – produces protease but does not absorb food 3 – where digestion of starch takes place 4 – where most water is absorbed
Six	cell membrane cell wall
Seven	alveoli villi
Eight	8.1 – B, 8.2 – C, 8.3 – A, 8.4 – D
Nine	9.1 – D, 9.2 D, 9.3 – A, 9.4 – A
Ten	10.1 – A, 10.2 – A, 10.3 – B, 10.4 – B

Humans as Organisms: Higher Tier

Question No.	KEY
One	1 – produces bile 2 – produces protease but does not absorb food 3 – where digestion of starch takes place 4 – where most water is absorbed
Two	1 – stomach 2 – small intestine 3 – liver 4 – gall bladder
Three	alveoli villi
Four	the muscles of the diaphragm contract the pressure in the lungs is lowered
Five	5.1 – B, 5.2 – C, 5.3 – A, 5.4 – D
Six	6.1 – D, 6.2 – D, 6.3 – A, 6.4 – A
Seven	7.1 – A, 7.2 – A, 7.3 – B, 7.4 – B
Eight	8.1 – C, 8.2 – C, 8.3 – C, 8.4 – A
Nine	9.1 – B, 9.2 – B, 9.3 – A, 9.4 – B
Ten	10.1 – A, 10.2 – C, 10.3 – C, 10.4 – B