



ASSESSMENT and
QUALIFICATIONS
ALLIANCE

Mark scheme
March 2003

GCSE

Science (Modular) Double Award and Biology (Modular)

Module 01

Humans as Organisms: Foundation Tier

Question	Key
One	1 – stores bile 2 – makes bile 3 – provides acid conditions 4 – makes lipase
Two	1 – carries blood away from the heart 2 – atrium 3 – ventricle 4 – prevents backflow of blood
Three	1 – antibody 2 – antitoxin 3 – blood clot 4 – mucus
Four	1 – cell membrane 2 – passes information to other cells 3 – controls the activities of the cell 4 – cytoplasm
Five	1 – ingests microorganisms 2 – transport urea 3 – clots blood 4 – transports oxygen
Six	liver stomach
Seven	they are both microorganisms they both contain genes
Eight	8.1 – D, 8.2 – D, 8.3 – D, 8.4 – D
Nine	9.1 – B, 9.2 – D, 9.3 – D, 9.4 – C
Ten	10.1 – A, 10.2 – A, 10.3 – D, 10.4 – D

Humans as Organisms: Higher Tier

Question	Key
One	1 – ingests microorganisms 2 – transports urea 3 – clots blood 4 – transports oxygen
Two	1 – oxygen 2 – glucose 3 – lactic acid 4 – water
Three	they are both microorganisms they both contain genes
Four	digesting food by using enzymes movement of oxygen out of blood capillaries
Five	5.1 – D, 5.2 – D, 5.3 – D, 5.4 – D
Six	6.1 – B, 6.2 – D, 6.3 – D, 6.4 – C
Seven	7.1 – A, 7.2 – A, 7.3 – D, 7.4 – D
Eight	8.1 – B, 8.2 – D, 8.3 – A, 8.4 – B
Nine	9.1 – A, 9.2 – C, 9.3 – C, 9.4 – C
Ten	10.1 – C, 10.2 – C, 10.3 – C, 10.4 – C