



General Certificate of Secondary Education

Science Single Award Modular 3469

Module 13: Life & Living Processes

Module Test Answer Keys

March 2007 examination series

Mark schemes are prepared by the Principal Examiner and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation meeting attended by all examiners and is the scheme which was used by them in this examination. The standardisation meeting ensures that the mark scheme covers the candidates' responses to questions and that every examiner understands and applies it in the same correct way. As preparation for the standardisation meeting each examiner analyses a number of candidates' scripts: alternative answers not already covered by the mark scheme are discussed at the meeting and legislated for. If, after this meeting, examiners encounter unusual answers which have not been discussed at the meeting they are required to refer these to the Principal Examiner.

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Life & Living Processes : Foundation Tier

Question No.	KEY
One	1 – nucleus 2 – cytoplasm 3 – cell membrane 4 – protein coat
Two	1 – nose 2 – skin 3 – ear 4 – eye
Three	1 – produces sweat 2 – where urine is stored 3 – where urea is produced 4 – gets rid of carbon dioxide
Four	1 – stomach acid 2 – blood clot 3 – skin covering the body 4 – mucus in the breathing organs
Five	1 – blood plasma 2 – liver 3 – large intestine 4 – small intestine
Six	ciliary muscles suspensory ligaments
Seven	increased reaction time lack of self-control
Eight	8.1 – B, 8.2 – B, 8.3 – C, 8.4 – A
Nine	9.1 – C, 9.2 – D, 9.3 – B, 9.4 – D
Ten	10.1 – A, 10.2 – C, 10.3 – C, 10.4 – A

Life & Living Processes : Higher Tier

Question No.	KEY
One	1 – blood plasma 2 – liver 3 – large intestine 4 – small intestine
Two	1 – mitochondria 2 – carbon monoxide 3 – oxygen 4 – haemoglobin
Three	increased reaction time lack of self-control
Four	it increases the surface area of fat droplets for lipase action it neutralises the contents of the small intestine
Five	5.1 – B, 5.2 – B, 5.3 – C, 5.4 – A
Six	6.1 – C, 6.2 – D, 6.3 – B, 6.4 – D
Seven	7.1 – A, 7.2 – C, 7.3 – C, 7.4 – A
Eight	8.1 – B, 8.2 – D, 8.3 – C, 8.4 – D
Nine	9.1 – C, 9.2 – A, 9.3 – A, 9.4 – D
Ten	10.1 – A, 10.2 – C, 10.3 – D, 10.4 – A