

Major themes of paper 1

ANYTHING NOT
LISTED MAY BE
TESTED BUT NOT
HEAVILY

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Diffusion, osmosis & active transport	Movement of substances into and out of cells	Term 1 Lessons 3 - 5
Ventilation, gas exchange in humans & smoking	Gas exchange	Term 2 Lessons 8 – 9 & term 3 lesson 6 'CO ₂ production in animals'.
Transpiration and translocation	Transport	Term 3 Lesson 5 (up to but not including 'roots and transpiration')
Blood	Transport	Term 1 Lesson 11
White blood cells	Transport	Term 1 Lesson 12 (not vaccination)
Heart	Transport	Term 1 Lesson 13
Hormones	Co-ordination and response	Term 1 Lesson 9
Nervous and endocrine system	Co-ordination and response	Term 1 Lesson 14
The eye	Co-ordination and response	Term 2 Lesson 1
Response in plants	Co-ordination and response	Term 3 Lesson 2
Homeostasis	Co-ordination and response	Term 4 Lesson 2 Revision sheet 2 (not 'maintaining water content')
Sexual / asexual reproduction and germination	Reproduction	Term 3 Lesson 7-8
Human reproduction and the menstrual cycle	Reproduction	Term 3 Lesson 10 (not LH and FSH)
Genetic diagrams, family pedigrees and sex determination	Inheritance	Term 3 Lesson 12 Revision sheet 1
Mitosis and meiosis	Inheritance	Term 3 Lesson 13 - 14
Mutation	Inheritance	Term 4 Lesson 1 (not past red line)
Genetic variation	Inheritance	Term 3 Lesson 11 Revision sheet 2 ONLY after red line
Selective breeding	Selective breeding	Term 4 Lesson 12

Not to be tested in paper 1

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Characteristics of living organisms	Characteristics of living organisms	Term 1 Lesson 1 (<i>8 things in red box at bottom</i>)
Levels of organisation	Levels of organisation	Term 1 Lesson 1 (<i>1st section – 8 bullet points</i>)
Respiration	Respiration	Term 2 Lesson 7 Revision sheet 1
Investigating respiration practicals	Respiration	Term 2 Lesson 11 core practical sheet (<i>investigating respiration</i>)
Kidneys	Excretion	Term 1 Lesson 10
Carbon and nitrogen cycle	Cycles within ecosystems	Term 4 Lesson 5
Greenhouse effect and air pollution, water pollution and deforestation	Human influences on the environment	Term 4 Lesson 6 - 8
Genetic engineering and cloning	Genetic modification and cloning	Term 4 Lesson 14 and 15

Major themes of paper 2

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Biological molecules	Biological molecules	Term 2 Lesson 2
Enzymes	Biological molecules	Term 3 Lesson 9
Ventilation, gas exchange in humans & smoking	Gas exchange	Term 2 Lessons 8 - 9
Gas exchange in flowering plants	Gas exchange	Term 3 Lesson 3
Kidneys	Excretion	Term 1 Lesson 10
Transcription and translation	Inheritance	Term 3 Lesson 11

Genetic diagrams, family pedigrees and sex determination	Inheritance	Term 3 Lesson 12
Mitosis and meiosis	Inheritance	Term 3 Lesson 13 - 14
Mutation	Inheritance	Term 4 Lesson 1
Genetic variation	Inheritance	Term 3 Lesson 11
Carbon and nitrogen cycle	Cycles within ecosystems	Term 4 Lesson 5
Greenhouse effect and air pollution, water pollution and deforestation	Human influences on the environment	Term 4 Lesson 6 - 8

Not to be tested in paper 2

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Characteristics of living organisms	Characteristics of living organisms	Term 1 Lesson 1 (<i>8 things in red box at bottom</i>)
Levels of organisation	Levels of organisation	Term 1 Lesson 1 (<i>1st section – 8 bullet points</i>)
Respiration	Respiration	Term Lesson 7 Revision sheet 1
Hormones	Co-ordination and response	Term 1 Lesson 9
Nervous and endocrine system	Co-ordination and response	Term 1 Lesson 14
The eye	Co-ordination and response	Term 2 Lesson 1
Response in plants	Co-ordination and response	Term 3 Lesson 2
Homeostasis	Co-ordination and response	Term 4 Lesson 2 Revision sheet 2 (not 'maintaining water content')
Sexual / asexual reproduction and germination	Reproduction	Term 3 Lesson 7-8
Human reproduction and the menstrual cycle	Reproduction	Term 3 Lesson 10

Ecosystems, pyramids and quadrats	The organism in the environment	Term 4 Lesson 3
Energy transfer and food webs	Feeding relationships	Term 4 Lesson 4
Increasing crop yields / yeast and beer / bacteria and yoghurt	Food production	Term 4 lesson 9 - 11 and 13
Selective breeding	Selective breeding	Term 4 Lesson 12

**Is there anything I
can **not revise** at all?**

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Characteristics of living organisms	Characteristics of living organisms	Term 1 Lesson 1 (<i>8 things in red box at bottom</i>)
Levels of organisation	Levels of organisation	Term 1 Lesson 1 (<i>1st section – 8 bullet points</i>)
Respiration	Respiration	Term Lesson 7 Revision sheet 1