

GCSE Combined Biology Paper 2 Topics – FRIDAY 7th JUNE 2024

Use your Y9, Y10 & Y11 exercise books , the online textbook and resources on Kerboodle & Educake to help you revise

Biological Responses

The Human Nervous System

1. Principles of Homeostasis
2. Structure & Function of the Nervous System
3. Reflex Actions

Hormonal Coordination

1. Principles of Hormonal Control
2. The Control of Blood Glucose Levels
3. Treating Diabetes
4. *The Role of Negative Feedback (HT)*
5. Human Reproduction
6. *Hormones & the Menstrual Cycle(HT)*
7. The Artificial Control of Fertility
8. *Infertility Treatments (HT only)*

Genetics & Evolution

Reproduction

1. Types of Reproduction
2. Cell Division in Sexual Reproduction
3. DNA & The Genome
4. Inheritance in Action
5. More about Genetics
6. Inherited Disorders
7. Screening for Genetic Disorders

Variation & Evolution

1. Variation
2. Evolution by Natural Selection
3. Selective Breeding
4. Genetic Engineering
5. Ethics of Genetic Technologies

Genetics & Evolution

1. Evidence for Evolution
2. Fossils and Extinction
3. More about Extinction
4. Antibiotic Resistant Bacteria
5. Classification
6. New Systems of Classification

Ecology

Adaptations, Interdependence & Competition

1. The Importance of Communities
2. Organisms in their Environment
3. Distribution & Abundance
4. Competition in Animals
5. Competition in Plants
6. Adapt & Survive
7. Adaptations in Animals
8. Adaptations in Plants

Organising an Ecosystem

1. Feeding relationships
2. Materials Cycling
3. The Carbon Cycle

Biodiversity & Ecosystems

1. The Human Population Explosion
2. Land & Water Pollution
3. Air Pollution
4. Deforestation & Peat Destruction
5. Global Warming
6. Maintaining Biodiversity

Required Practicals

1. Investigate the effect of a factor on human reaction time
2. Measure the population size of a common species in a habitat