

Biology Paper 1 November Mock revision list

(Cell Biology, Organisation, Infection and Response, Bioenergetics)

- Cell Biology
 - Eukaryotic and prokaryotic cells
 - Animal and plant cell structure
 - Microscopy
 - Cell specialisation and differentiation
 - Diffusion, osmosis and active transport

- Organisation
 - Levels of organisation (cells → tissues → organs → systems)
 - Digestive system and enzymes
 - Enzyme action, factors affecting enzymes
 - Human circulatory system (heart, blood vessels, blood)
 - The lungs and gas exchange
 - Health and disease
 - The effect of lifestyle on health (e.g. diet, smoking, exercise)
 - Cancer

- Infection and Response
 - Communicable (infectious) diseases
 - Bacteria, viruses, fungi, protists
 - Human defence systems
 - Vaccination
 - Antibiotics and drug development
 - Testing new medicines
 - Plant diseases and plant defences

- Bioenergetics
 - Photosynthesis (process, rate, limiting factors)
 - Uses of glucose in plants
 - Respiration (aerobic and anaerobic)
 - Response to exercise
 - Metabolism
 - Plant tissues and organs (xylem, phloem)
 - Transpiration and translocation