

Edexcel A Level Biology

TOPIC CHECKLIST

Topic	Topic	Studied (✓ / X)	Notes (✓ / X)	Topic Questions (%)
1. Biological Molecules	Carbohydrates			
	Lipids			
	Proteins			
	DNA & Protein Synthesis			
	Enzymes			
	Inorganic Ions			
	Water			
2. Cells, Viruses & Reproduction of Living Things	Eukaryotic & Prokaryotic Cell Structure & Function			
	Viruses			
	Eukaryotic Cell Cycle & Division			
	Sexual Reproduction in Mammals			
3. Classification & Biodiversity	Classification			
	Natural Selection			
	Biodiversity			
4. Exchange & Transport	Surface Area to Volume Ratio			
	Cell Transport Mechanisms			
	Gas Exchange			
	Circulation			
	Transport of Gases in the Blood			
5. Energy for Biological Processes	Transport in Plants			
	Aerobic Respiration			
	Link Reaction & Krebs Cycle			
	Oxidative Phosphorylation			
	Anaerobic Respiration			
6. Microbiology & Pathogens	Photosynthesis & Photosynthesis Pigments			
	Microbial Techniques			
	Bacteria as Pathogens			
	Action of Antibiotics			
	Response to Infection			
7. Modern Genetics	Gene Sequencing			
	Factors affecting Gene Expression			
	Stem Cells			
	Gene Technology			
8. Origins of Genetic Variation	Transfer of Genetic Variation			
	Gene Pools			
9. Control Systems				
	Chemical control in Mammals			
	Chemical Control in Plants			
	Structure & Function of the Mammal Nervous System			
	Nervous Transmission			
	Effect of Drugs on the Nervous System			
	Detection of Light by Mammals			
Control of Heart Rate in Mammals				
10. Nature of Ecosystems	Osmoregulation & Temperature Regulation			
	The Nature of Ecosystems			
	Energy Transfer through Ecosystems			
	Changes in Ecosystems			
	Human effects of Ecosystems			