

CIE IGCSE Biology

TOPIC CHECKLIST

Section	Topic	Studied (✓ / X)	Notes (✓ / X)	Multiple Choice (%)	Theory (%)	Alt. to Practical (%)
1. Characteristics & Classification of Living Organism	Characteristics of Living Organisms					
	Concept & use of a classification system					
	Features of organisms					
	Dichotomous keys					
2. Organisation of the Organism	Cell structure & organisation					
	Levels of organisation					
	Size of specimens					
3. Movement in and out of Cells	Diffusion					
	Osmosis					
	Active transport					
4. Biological Molecules	Biological Molecules					
5. Enzymes	Enzymes					
6. Plant Nutrition	Photosynthesis					
	Leaf structure					
	Mineral requirements					
7. Human Nutrition	Diet					
	Alimentary canal					
	Mechanical digestion					
	Chemical digestion					
	Absorption					
8. Transport in Plants	Transport in Plants					
	Water uptake					
	Transpiration					
	Translocation (Extended candidates only)					
9. Transport in Animals	Transport in Animals					
	Heart					
	Blood & lymphatic vessels					
	Blood					
10. Diseases and Immunity	Diseases and Immunity					
11. Gas Exchange in Humans	Gas Exchange in Humans					
12. Respiration	Respiration					
	Aerobic respiration					
	Anaerobic respiration					
13. Excretion in Humans	Excretion in Humans					
14. Coordination and Response	Nervous control in humans					
	Sense organs					
	Hormones in humans					
	Homeostasis					
	Tropic responses					
15. Drugs	Drugs					
	Medicinal drugs					
	Misused drugs					
16. Reproduction	Asexual reproduction					
	Sexual reproduction					
	Sexual reproduction in plants					
	Sexual reproduction in humans					
	Sex hormones in humans					
	Methods of birth control in humans					
17. Inheritance	Inheritance					
	Chromosomes, genes & proteins					
	Mitosis					
	Meiosis					
	Monohybrid inheritance					
18. Variation and Selection	Variation					
	Adaptive features					
	Selection					
19. Organisms and their Environment	Energy flow					
	Food chains & food webs					
	Nutrient cycles					
	Population size					
20. Biotechnology and Genetic Engineering	Biotechnology & Genetic Engineering					
	Biotechnology					
	Genetic engineering					
21. Human Influences on Ecosystem	Food supply					
	Habitat destruction					
	Pollution					
	Conservation					