



Gymnázium Evolution

Czech Maturita Exam Topics 2025/2026

IB BIOLOGY

1. Water and water potential
2. Nucleic acid structure and DNA replication
3. Cell Biology
4. Carbohydrates and lipids
5. Proteins and protein synthesis
6. Membranes. Organelles and compartmentalisation.
7. Diversity of organisms
8. Evolution and speciation
9. Conservation of biodiversity and climate change
10. Gas exchange
11. Transport
12. Adaptation to the environment and ecological niches
13. Enzymes and metabolism
14. Cell respiration and photosynthesis
15. Neural signalling
16. Integration of body systems and homeostasis
17. Defence against disease
18. Populations and communities
19. Transfer of energy and matter
20. Mutation and gene editing
21. Cell and nuclear division
22. Reproduction
23. Inheritance

24. Natural selection, stability and change

25. Basic experimental biology