

Maturitní témata pro školní rok 2025/2026

gymnázium čtyřleté – Inspirace a poznání v souvislostech

Předmět: Biologie

Třída: 4. Aj

1. Water in organisms, Water potential
2. Nucleic acids
3. Carbohydrates and lipids
4. Proteins
5. Enzymes and metabolism
6. Cell respiration
7. Photosynthesis
8. DNA replication
9. Protein synthesis
10. Mutation and gene editing
11. Cell structure
12. Membranes and membrane transport
13. Organelles and compartmentalization
14. Cell specialization
15. Neural signalling
16. Cell and nuclear division
17. Diversity of organisms, Natural selection
18. Gas exchange
19. Transport
20. Integration of body systems
21. Defence against disease
22. Reproduction
23. Inheritance
24. Homeostasis
25. Evolution and speciation
26. Conservation of biodiversity
27. Adaptation to environment
28. Ecological niches
29. Populations and communities, Transfers of energy and matter
30. Stability and change – climate change

Vypracoval: RNDr. Pavel Vlach, Ph.D., RNDr. Pavel Vlach, Ph.D.

V Projednáno a schváleno PK dne: 28. 8. 2025