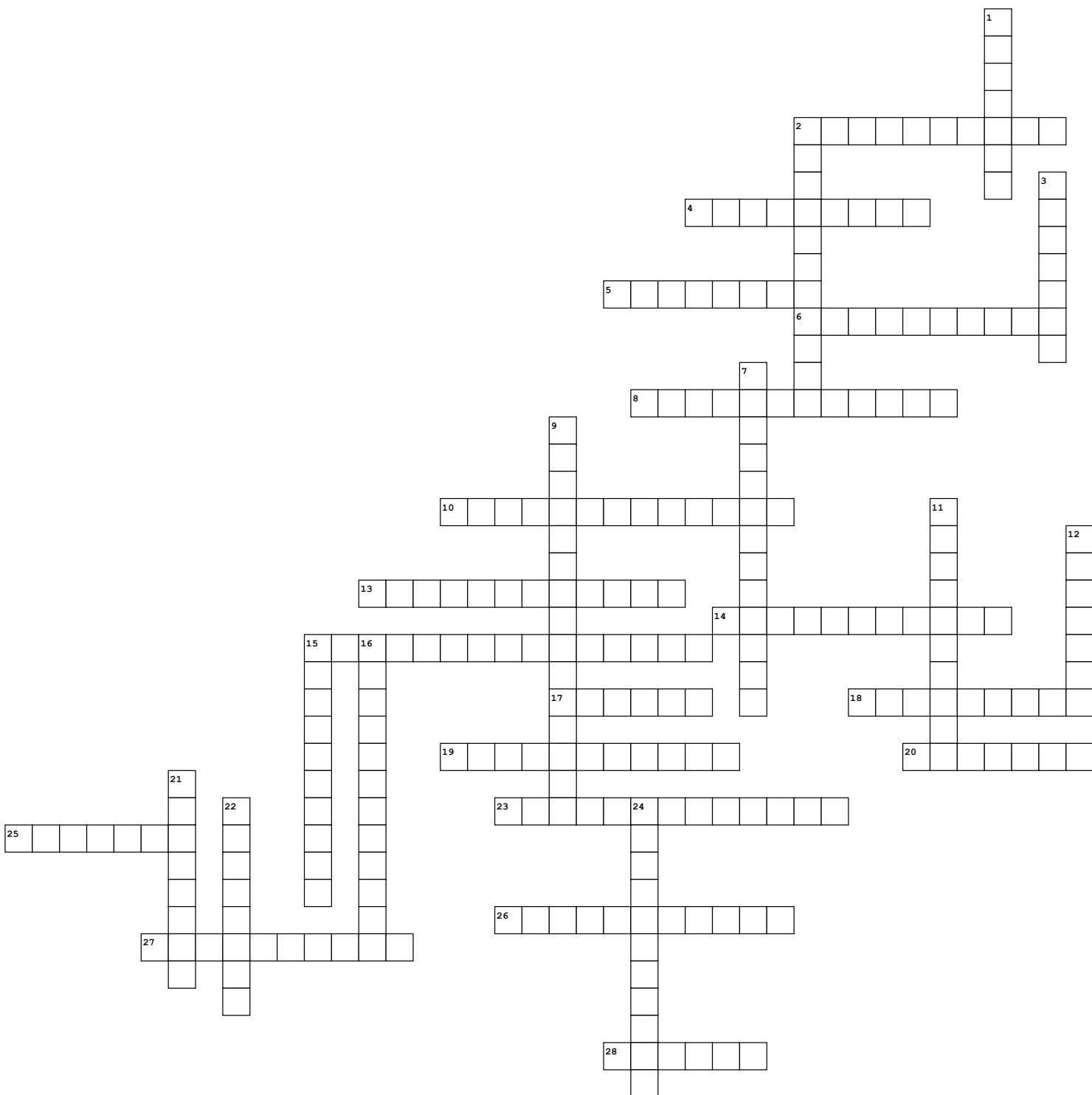


# IB Bio crossword



## Across

2. The breakdown of complex molecules into simpler molecules
4. The synthesis of complex molecules from simpler molecules

## Down

1. Proteins that are involved in the control of the cell cycle
2. The process of cell division that occurs after mitosis, and differs in plant and animal cells

- 5. The binding together of two molecules of the same type
- 6. Have a nucleus with a compartmentalized cell structure
- 8. Reaction that allows amino acids to link together
- 10. Strand of DNA that is made in fragments moving away from the replication fork
- 13. Formed when multiple amino acids link together
- 14. Have a simple cell structure without compartments
- 15. Linked together by condensation reactions and consist of glucose, fructose, and ribose molecules
- 17. Phase in the cell cycle where chromosomes are duplicated
- 18. All of the proteins produced by a cell, a tissue or an organism
- 19. Unattractive to water
- 20. The movement that allows water to move freely across a cell
- 23. Produce ATP for the cell through aerobic cell respiration
- 25. Globular proteins that speed up chemical reactions
- 26. Organelle that produces glucose and other organic compounds through photosynthesis
- 27. The web of all the enzyme catalysed reactions in an organism
- 28. A broad class of molecules that are insoluble in water
- 3. The part of the cell cycle in which cellular contents are duplicated
- 7. Strand of DNA that is made continuously following the fork as it opens
- 9. A method of moving particles across a membrane through the use of energy
- 11. substances that enzymes convert into products in biochemical reactions
- 12. The division of the nucleus into two identical daughter nuclei
- 15. The movement of cells from a primary tumor to a secondary tumor
- 16. Chains of nucleotides which contain hydrogen, oxygen, nitrogen and phosphorus
- 21. used by the cell to package DNA into nucleosomes
- 22. Phase in mitosis where pairs of sister chromatids begin to separate
- 24. Attracted to water