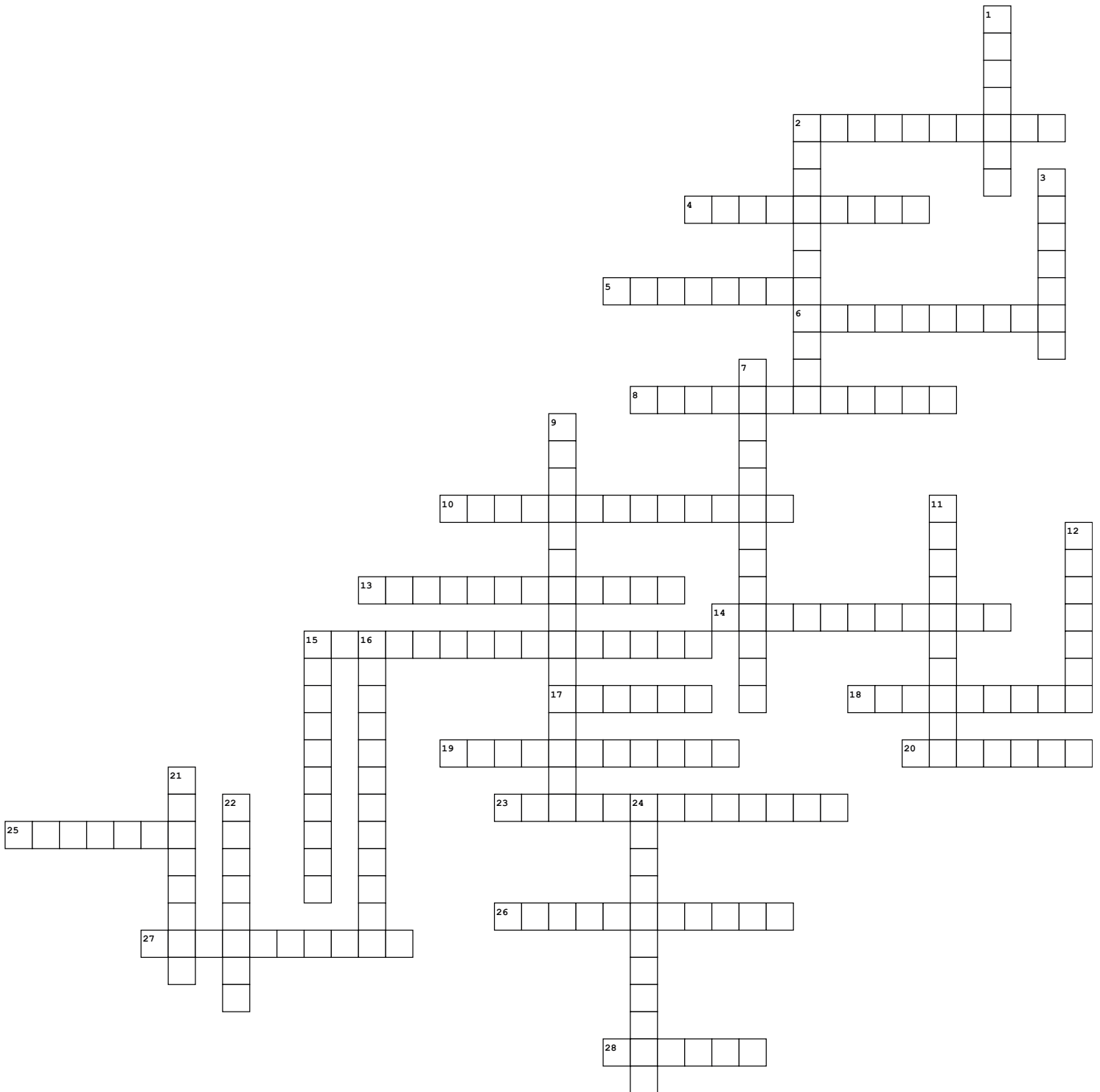


# IB Bio crossword



## 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