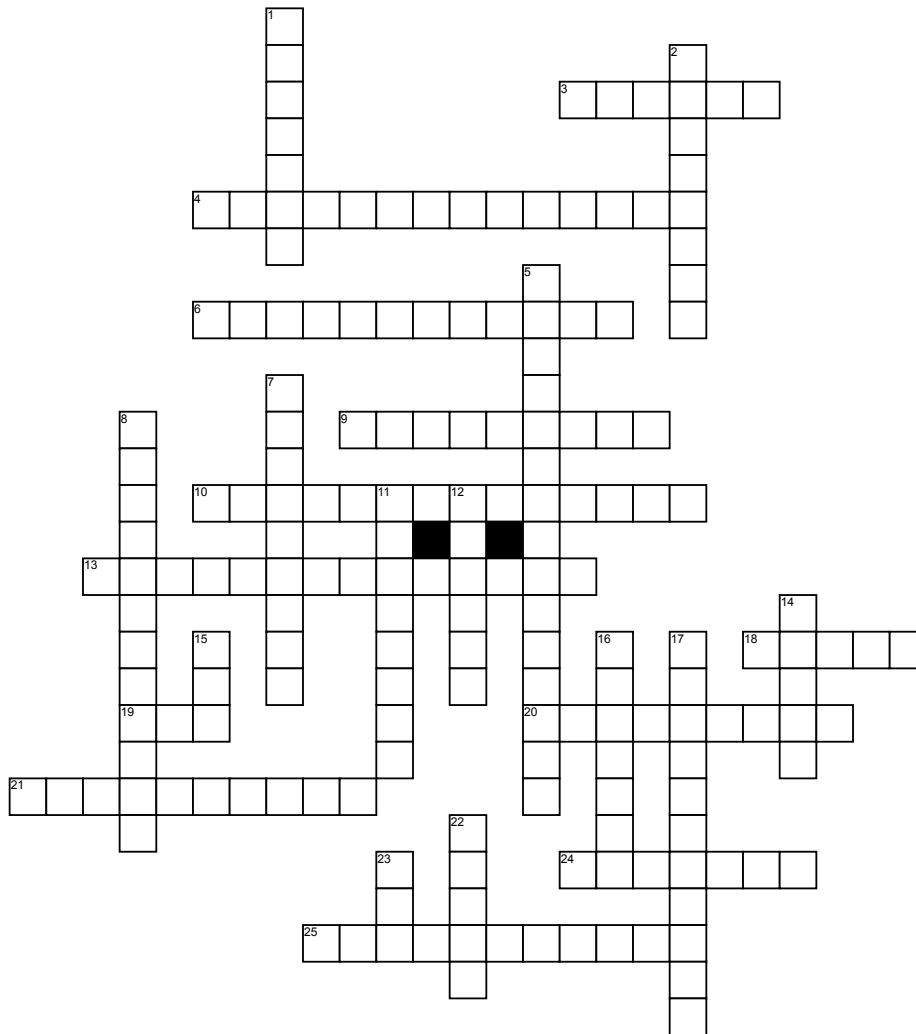


# Macromolecules crossword puzzle



## Across

3. type of sugar produced by body and used in medicine.  
 4. large molecules that are formed by joining smaller organic molecules together.  
 6. complex macromolecules that store transmit genetic material.  
 9. salt of a phosphoric acid  
 10. Simple sugars with n values ranging from 3 to 7.  
 13. multiple monosaccharides combined.  
 18. water sticks together through \_\_\_\_\_  
 19. A single strand of nucleotides, occurs in a variety of lengths and shapes.  
 20. chemical bond between two ions of opposite charges.  
 21. A sub-unit of fats, oils, and waxes.

24. compound made of small carbon compounds called amino acids.

25. a chemical bond formed between two molecules when the carboxyl group of one molecule reacts with the amino group of the other molecule, releasing a molecule of water.

## Down

1. study of the natural world through observation and experiments  
 2. Process of two alike molecules attaching to each other.  
 5. the amount of heat water can take before evaporating  
 7. Small compounds that are made of carbon, nitrogen, hydrogen and sometimes sulfur  
 8. Compounds composed of carbon, hydrogen and oxygen in a ratio of one oxygen and two hydrogen atoms for each carbon atom.

11. Process of two unlike molecules attaching to each other.

12. chemical element that is a nonmetal and has an atomic number of 6.

14. Where electrons are shared between atoms.

15. A double helix. A molecule that contains the instructions an organism needs to develop, live and reproduce.

16. a molecule that bonds to other identical molecules to form a polymer a molecule that bonds to other identical molecules to form a polymer.

17. Structural components of RNA or DNA.

22. molecules made mostly of carbon and hydrogen that make up the fats, oils, and waxes

23. Adenosine triphosphate, high-energy molecule found in every cell

## Word Bank

|                |              |                   |            |             |
|----------------|--------------|-------------------|------------|-------------|
| Lipid          | ATP          | high heat density | ionic bond | fatty acids |
| nucleic acids  | C-bond       | Polysaccharide    | carbon     | nucleotides |
| Monosaccharide | Carbohydrate | amino acid        | monomer    | DNA         |
| macromolecules | cohesion     | Peptide bond      | protein    | phosphate   |
| science        | RNA          | ribose            | H-bond     | adhesion    |