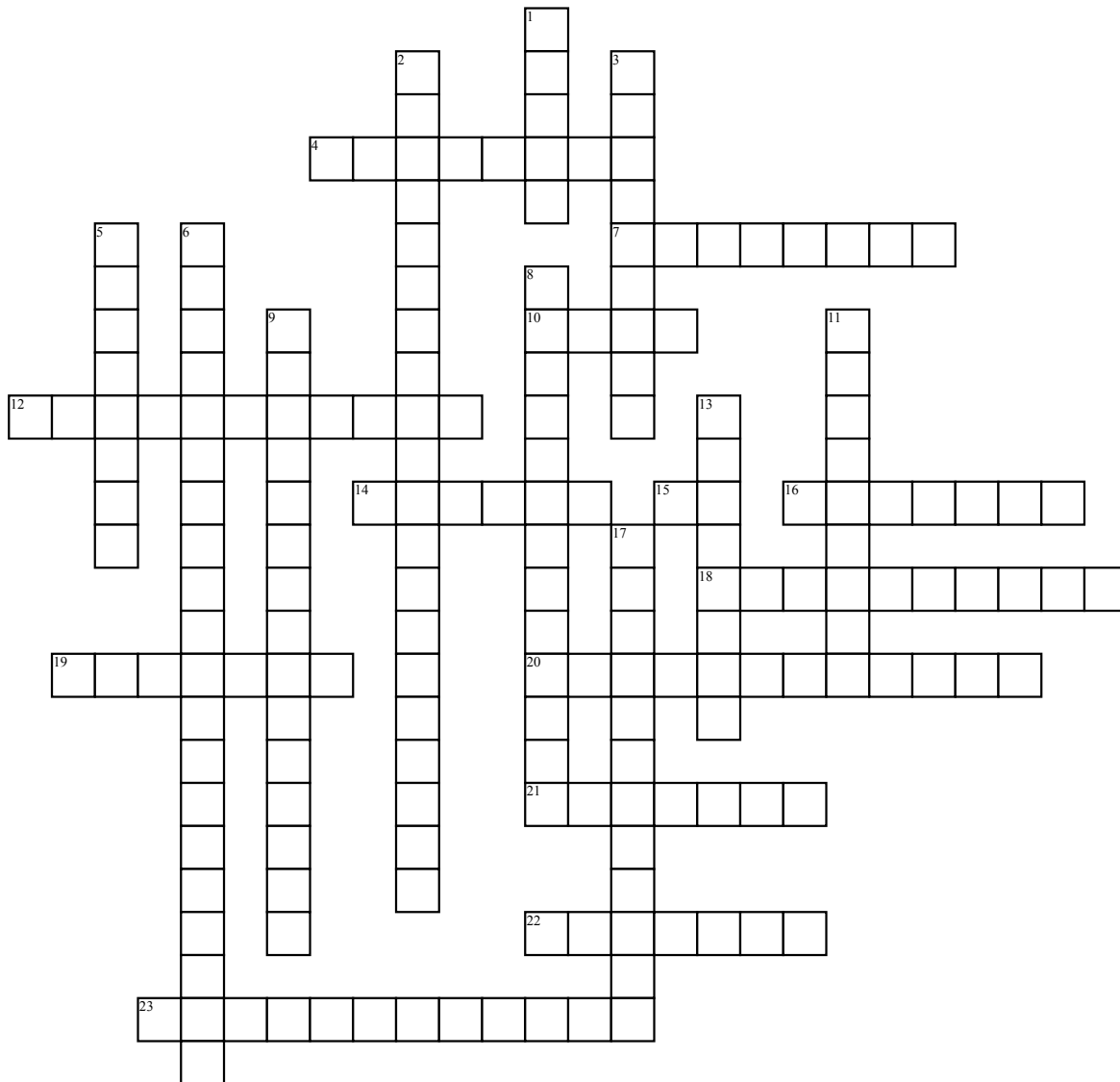


# Biology Vocabulary



## Across

4. What is the sticking together of alike molecules, such as water molecule being attracted to another water molecule?
7. What is a substance capable of initiating or speeding up a chemical reaction?
10. what is the basic unit of a chemical element?
12. What are acids consist of either one or two long chains of repeating units called nucleotides, which consist of a nitrogen base attached to a sugar phosphate?
14. What are proteins that act as catalysts within living cells ?
15. What is a measure of the hydrogen ion concentration of a solution?
16. What are large molecules composed of many similar smaller molecules linked together ?
18. What is a series of sweet-tasting, crystalline carbohydrates, especially a simple sugar or a chain of two or more simple sugars?

19. What is a molecule that can combine with others of the same kind to form a polymer?
20. What are molecular compounds made from just three elements: carbon, hydrogen and oxygen.?
21. what is a substance consisting of atoms which all have the same number of protons?
22. What is a molecule composed of polymers of amino acids joined together by peptide bonds.?
23. what is a chemical bond formed by the sharing of one or more electrons, especially pairs of electrons, between atoms?

## Down

1. what is an organic molecule of biological origin that is insoluble in water and soluble in non-polar solvents ?
2. what is a chemical reaction that builds up molecules by losing water molecules ?
3. what is a chemical bond formed between two ions with opposite charges?

5. what is the smallest particle in a chemical element or compound that has the chemical properties of that element or compound?
6. What is a chemical reaction in which two molecules combine to form a larger molecule with the elimination of a small molecule ?
8. What is a large complex molecule, such as nucleic acids, proteins, carbohydrates, and lipids, with relatively large molecular weight ?
9. What is a model that assumes an enzyme and substrate have a rigid interaction with each other, where a substrate fits in a key-like fashion to its lock, the enzyme, turning on the reaction ?
11. What are the building blocks of all biological proteins ?
13. What is the force of attraction between unlike molecules, or the attraction between the surfaces of contacting bodies?
17. What is a weak chemical bond between an electronegative atom, such as fluorine, oxygen, or nitrogen, and a hydrogen atom bound to another electronegative atom?