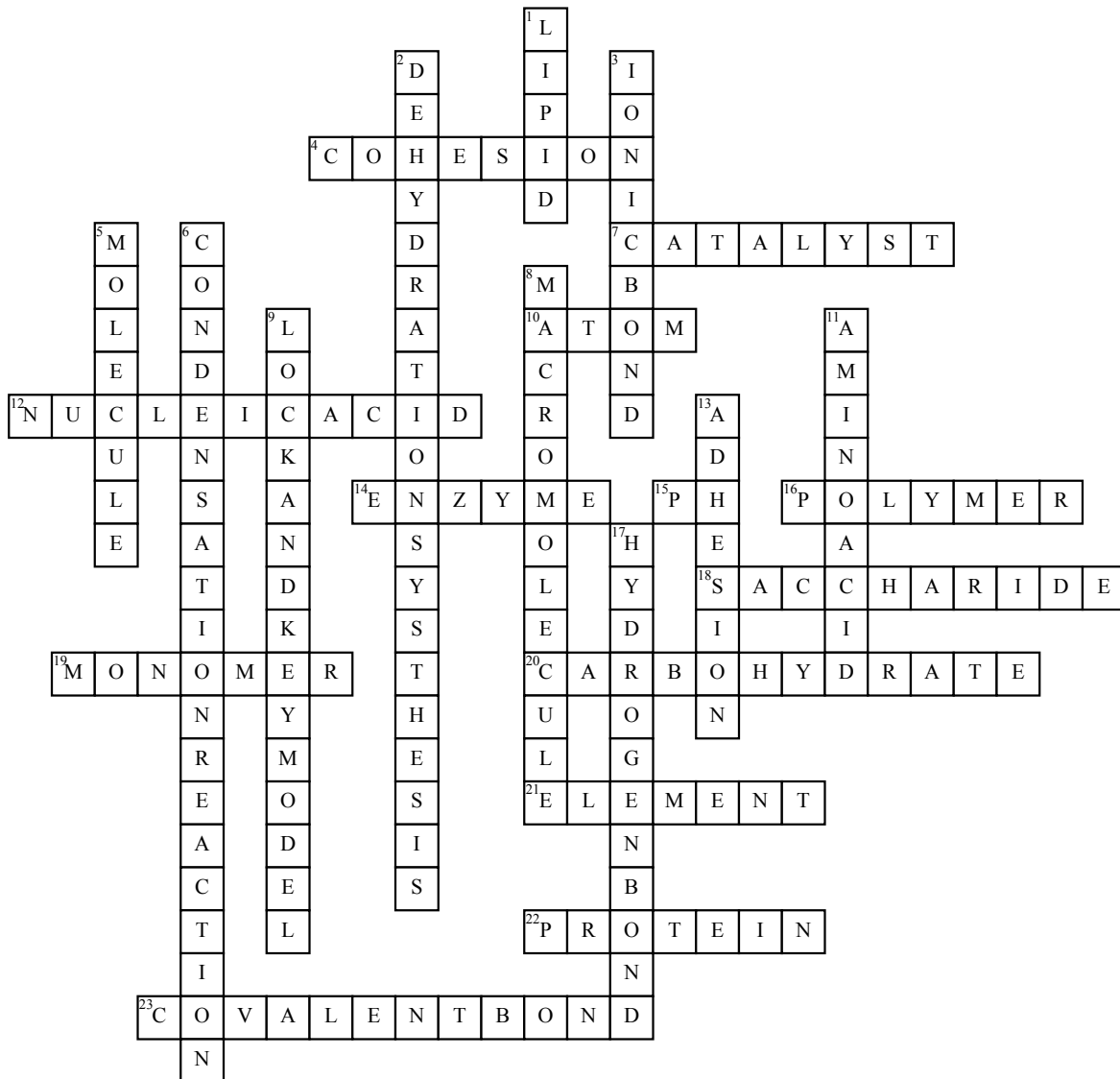


Biology Vocabulary



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?