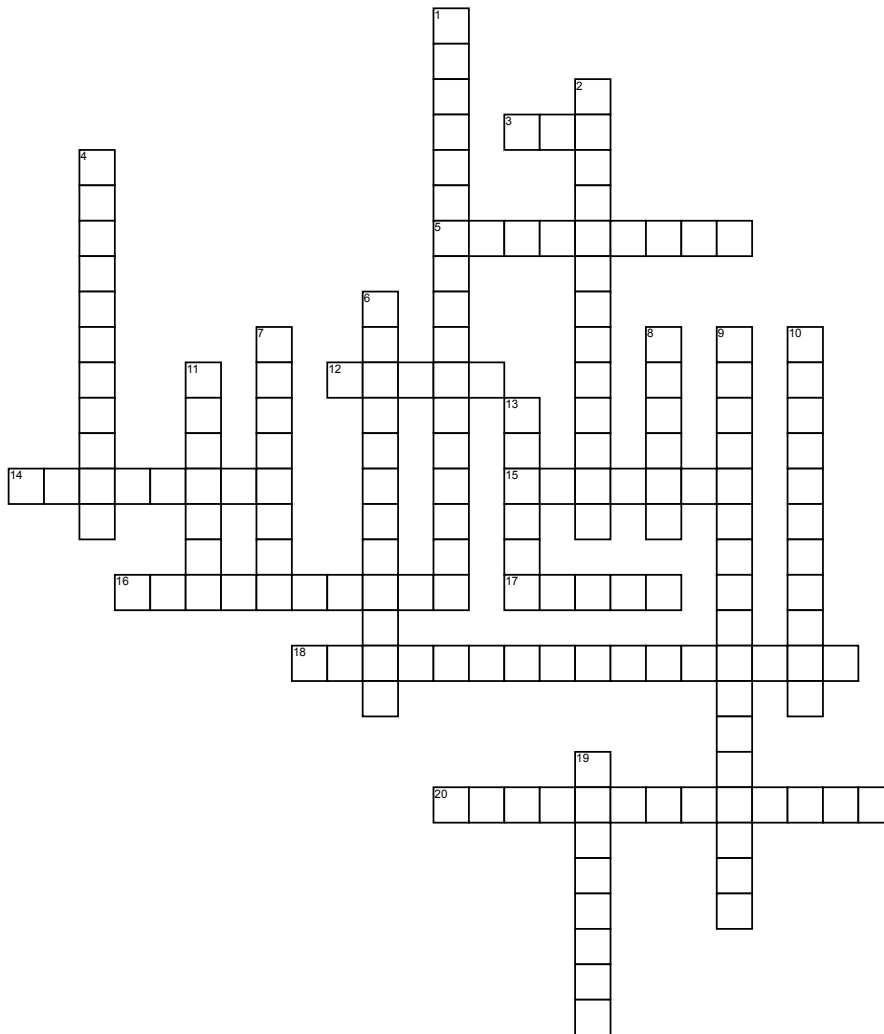


Biomolecule Crossword Puzzle



Across

3. A self replication material that is present in all living organisms

5. a simple organic compound containing both a carboxyl (—COOH) and an amino (—NH₂) group.

12. a chemical species in which the distribution of electrons between the covalently bonded atoms is not even.

14. occurring continuously over a period of time.

15. a substance that has a molecular structure consisting chiefly or entirely of a large number of similar units bonded together, e.g., many synthetic organic materials

16. a compound consisting of a nucleoside linked to a phosphate group. Nucleotides form the basic structural unit of nucleic acids such as DNA.

17. a sweet crystalline substance obtained from various plants, especially sugar cane and sugar beet, consisting essentially of sucrose, and used as a sweetener in food and drink.

18. a method of procedure that consists of systematic observation, measurement, and experiment, and the formulation, testing, and modification of hypotheses.

20. any of a large group of organic compounds occurring in foods and living tissues and including sugars, starch, and cellulose. They contain hydrogen and oxygen in the same ratio as water (2:1) and typically can be broken down to release energy in the animal body.

Down

1. a variable (often denoted by y) whose value depends on that of another.

2. Usually the product of smaller molecules such as proteins, lipids, and carbohydrates

4. a variable (often denoted by x) whose variation does not depend on that of another.

6. a lipid containing a phosphate group in its molecule, e.g., lecithin.

7. The process of modifying the molecular structure of a protein

8. a substance produced by a living organism which acts as a catalyst to bring about a specific biochemical reaction.

9. A group that receives a treatment in an experiment.

10. the action or process of observing something or someone carefully or in order to gain information.

11. Contains Carbon and hydrogen

13. any of a class of organic compounds that are fatty acids or their derivatives and are insoluble in water but soluble in organic solvents. They include many natural oils, waxes, and steroids.

19. When atoms bond together to form molecules, they share or give electrons. If the electrons are shared equally by the atoms, then there is no resulting charge, and the molecule is

Word Bank

Phospholipid

Experimental Group

Dependant Variable

Nonpolar

Lipids

Enzyme

DNA

Independent

Denature

Observation

constant

Amino acid

Polar

Scientific Method

Polymer

Organic

macromolecule

Nucleotide

Sugar

Carbohydrates