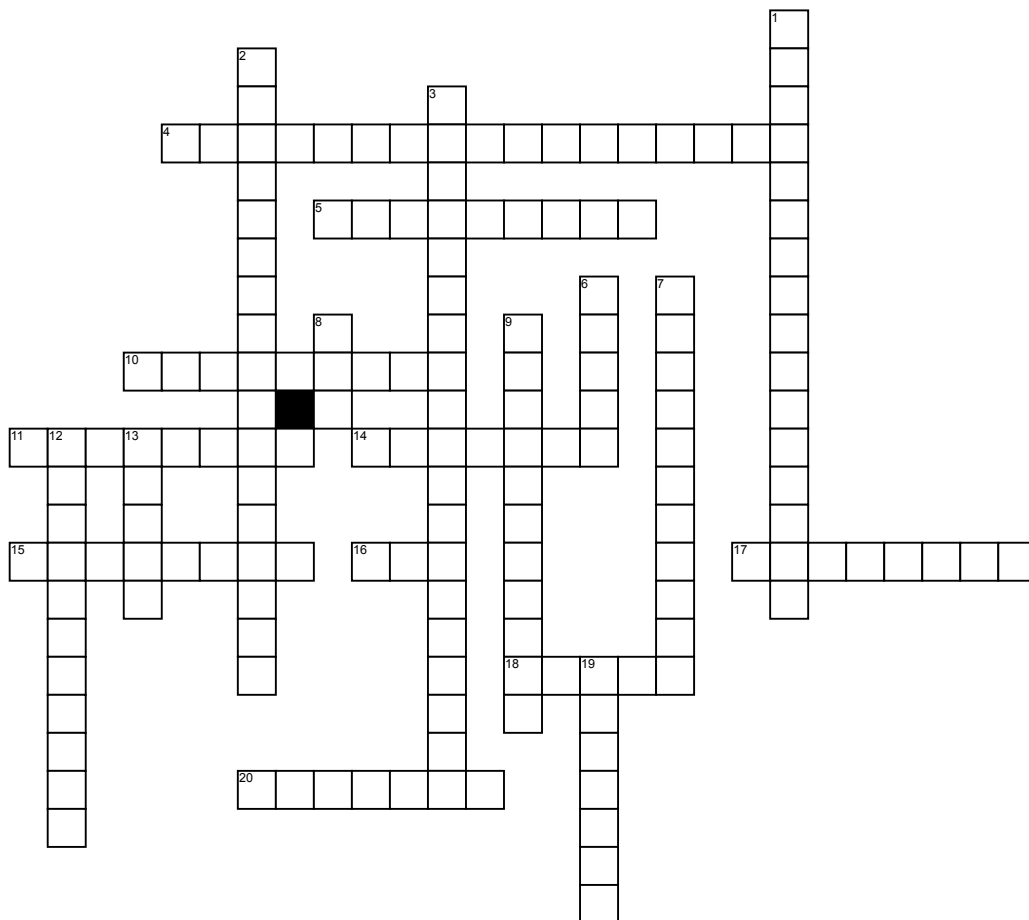


Molecule Menu



Across

4. a variable whose value depends on that of another.

5. a conclusion reached on the basis of evidence and reasoning.

10. a simple organic compound containing both a carboxyl and an amino group.

11. 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

14. a molecule that can be bonded to other identical molecules to form a polymer.

15. destroy the characteristic properties of by heat, acidity, or other effects that disrupt its molecular conformation.

16. deoxyribonucleic acid, a self-replicating material which is present in nearly all living organisms as the main constituent of chromosomes. It is the carrier of genetic information.

17. occurring continuously over a period of time.

18. any of a class of organic compounds that are fatty acids or their derivatives and are insoluble in water but soluble in organic solvents.

20. a substance that has a molecular structure consisting chiefly or entirely of a large number of similar units bonded together,

Down

1. method of procedure that has characterized natural science since the 17th century, consisting in systematic observation, measurement, and experiment, and the formulation, testing, and modification of hypotheses.

2. a group that receives a treatment in an experiment

3. a variable whose variation does not depend on that of another.

6. 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.

7. a complex organic substance present in living cells, especially DNA or RNA, whose molecules consist of many nucleotides linked in a long chain.

8. a natural oily or greasy substance occurring in animal bodies, especially when deposited as a layer under the skin or around certain organs.

9. a molecule that is produced by a living organism.

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

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

19. any of a class of nitrogenous organic compounds that consist of large molecules composed of one or more long chains of amino acids and are an essential part of all living organisms

Word Bank

biomolecule

polymer

denature

experimental group

dependent variable

observation

constant

inference

fat

nonpolar

nucleic acid

protein

DNA

lipid

sugar

independent variable

monomer

scientific method

amino acid

polar