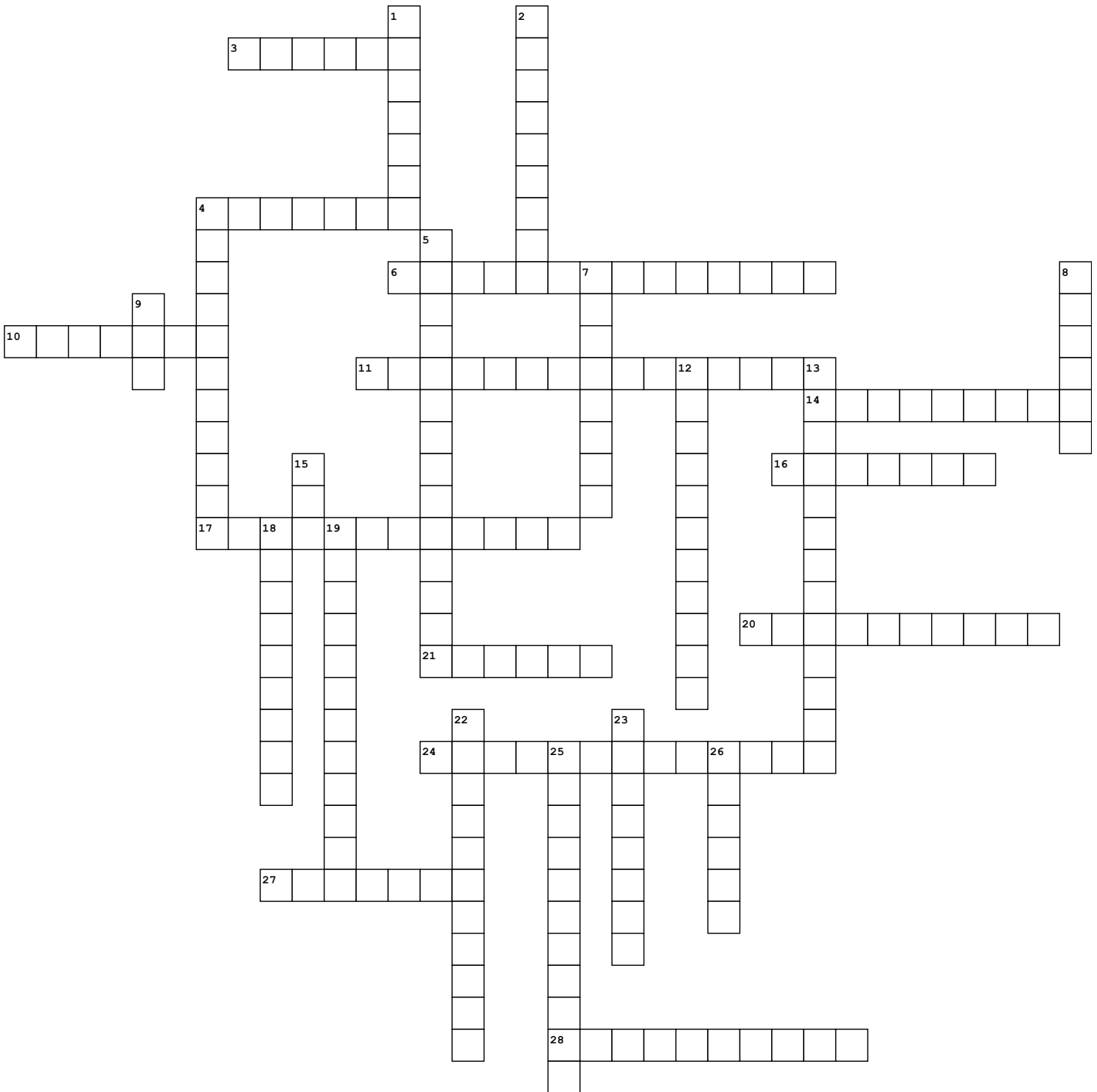


BIOCHEMISTRY CROSSWORD PUZZLE



Across

3. The substance or substances of which any physical object consists or is composed
4. An elementary particle having no charge

Down

1. Composed of 20 or more amino acids linked in a genetically controlled linear sequence into one or more long polypeptide chains

6. A carbohydrate that does not hydrolyze, as glucose, fructose, or ribose, occurring naturally
10. A sugar, $C_6H_{12}O_6$
11. Healthy fats that are derived from plants
14. Any of a class of organic compounds that contains at least one amino group
16. The positively charged mass within an atom, composed of neutrons and protons, and possessing most of the mass but occupying only a small fraction of the volume of the atom
17. Any of a group of carbohydrates, as sucrose or lactose
20. Chemical decomposition in which a compound is split into other compounds by reacting with water
21. Any of various proteins, as pepsin, originating from living cells and capable of producing certain chemical changes in organic substances by catalytic action, as in digestion
24. Any of a group of fatty compounds, as lecithin, composed of phosphoric esters, and occurring in living cells.
27. Any of a group of solid, mostly unsaturated, polycyclic alcohols, as cholesterol and ergosterol, derived from plants or animals
28. Any of a group of molecules that, when linked together, form the building blocks of DNA or RNA
2. The forming or building of a more complex substance or compound from elements or simpler compounds
4. Any of a group of long, linear macromolecules, either DNA or various types of RNA, that carry genetic information
5. A carbohydrate, as starch, inulin, or cellulose, containing more than three monosaccharide units per molecule
7. A substance that causes or accelerates a chemical reaction without itself being affected
8. Any of a group of organic compounds that are greasy to the touch, insoluble in water
9. One of the electrically charged particles formed in a gas by electric discharge or the like
12. An abnormal loss of water from the body, especially from illness or physical exertion
13. A type of single-bond animal or vegetable fat
15. The set of non-genetic traits, qualities, or features that characterize a person or thing
18. The substance acted upon by an enzyme
19. Any of a class of organic compounds that are polyhydroxy aldehydes or polyhydroxy ketones
22. A compound of the sterol type found in most body tissues
23. Composed of two or more parts, elements
25. A covalent bond formed by joining the carboxyl group of one amino acid to the amino group of another, with the removal of a molecule of water
26. A positively charged elementary particle that is a fundamental constituent of all atomic nuclei