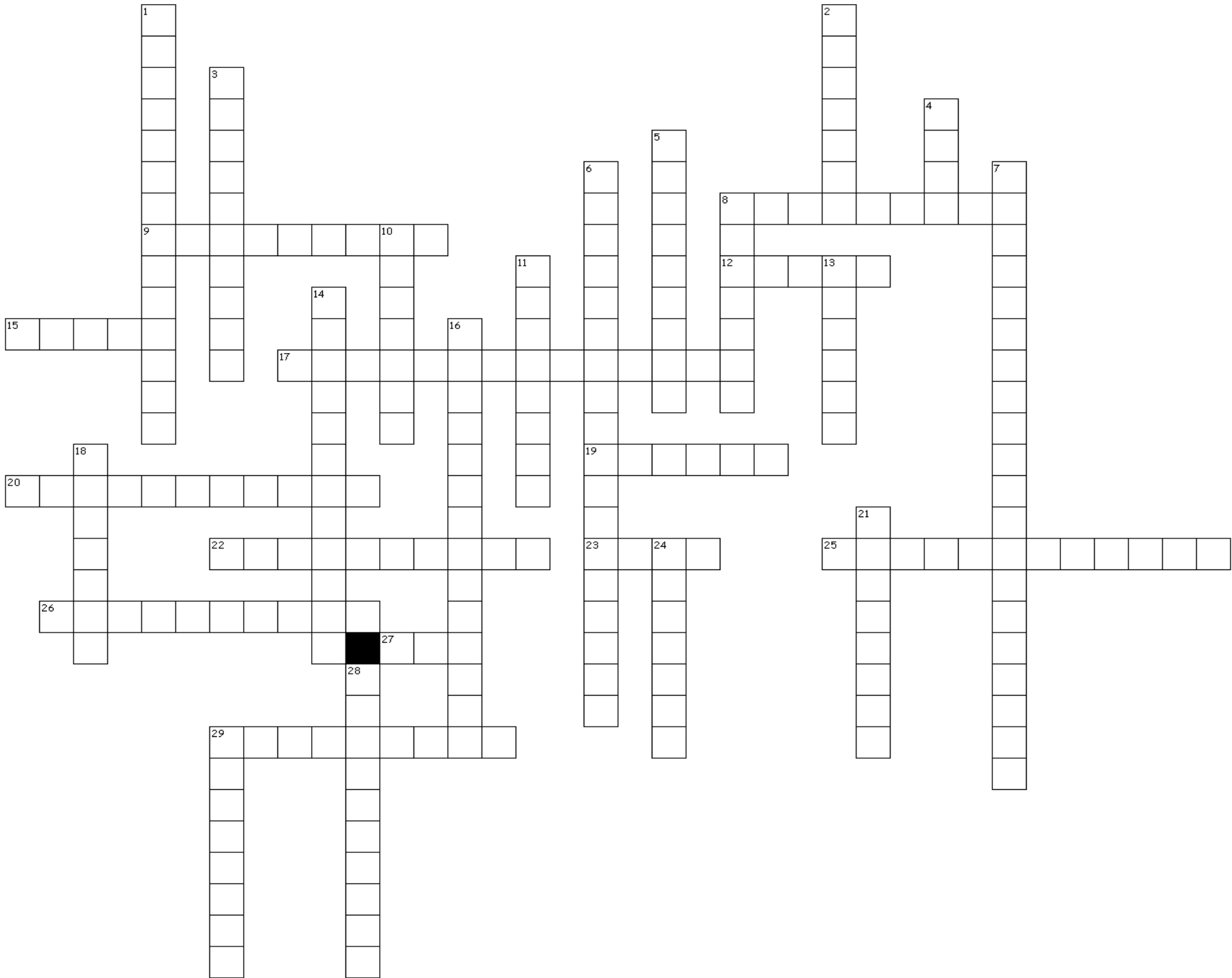


BIOLOGICAL MOLECULES



Across

8. The head of a phospholipid
9. Made by, and found in, plants; a long, ropy carbohydrate that is referred to as 'fiber' in dietary circles
12. One of the main locations in the body where glycogen is stored
15. Nutritionists say we should get a good amount of this substance, even though it's undigestible; biology students know it as cellulose
17. The general name for a monomer that forms carbohydrates
19. A carbohydrate, moderately branched, that is found in potatoes and bread
20. A ring-shaped lipid, oddly containing no fatty acid tails, that is crucial in stabilizing cell membranes
22. Proteins in your immune system; you make a lot of these once you get a flu shot, to help fight 'against' the flu virus
23. The DNA bases in alphabetical order
25. A lipid with three fatty acid tails and a glycerol head
26. The protein, found in your red blood cells, that binds and carries oxygen
27. Found in the nuclei of all your cells, you got half of this from your mom and half from your dad; easily the best known nucleic acid
29. The third monosaccharide; makes us think of space or space travel

Down

1. Another word for carbohydrate
2. Critical proteins needed for breaking down substances, and forming other substances in the body
3. Breaking large molecules apart using an enzyme that allows you to ram a water molecule into the covalent bond joining two monomers
4. Is a copy of DNA; carries its message from the nucleus to the cytoplasm, where it will be 'read' to make proteins
5. A protein monomer
6. The three components of a nucleic acid monomer
7. Putting monomers together to form a polymer by removing a water molecule at each monomer-monomer bond
8. A general term for a molecule or substance that is made from smaller molecules or building blocks
10. A disaccharide that is formed by putting a glucose with a fructose; it's white, crystalline; a spoon full of it helps the medicine go down
11. A monomer in lipids, this 'head' is key to making a triglyceride
13. The main purpose of carbohydrates
14. This special lipid, with a hydrophilic head and hydrophobic tails, forms a 'bilayer' around all your cells
16. Long hydrocarbon chains that are part of triglycerides and phospholipids
18. A building block used in making a larger molecule
21. Monosaccharide found in fruit
24. The most famous of the monosaccharides; burned in your mitochondria to make ATP
28. A monomer of a nucleic acid
29. A polysaccharide that is stored in liver and muscle cells