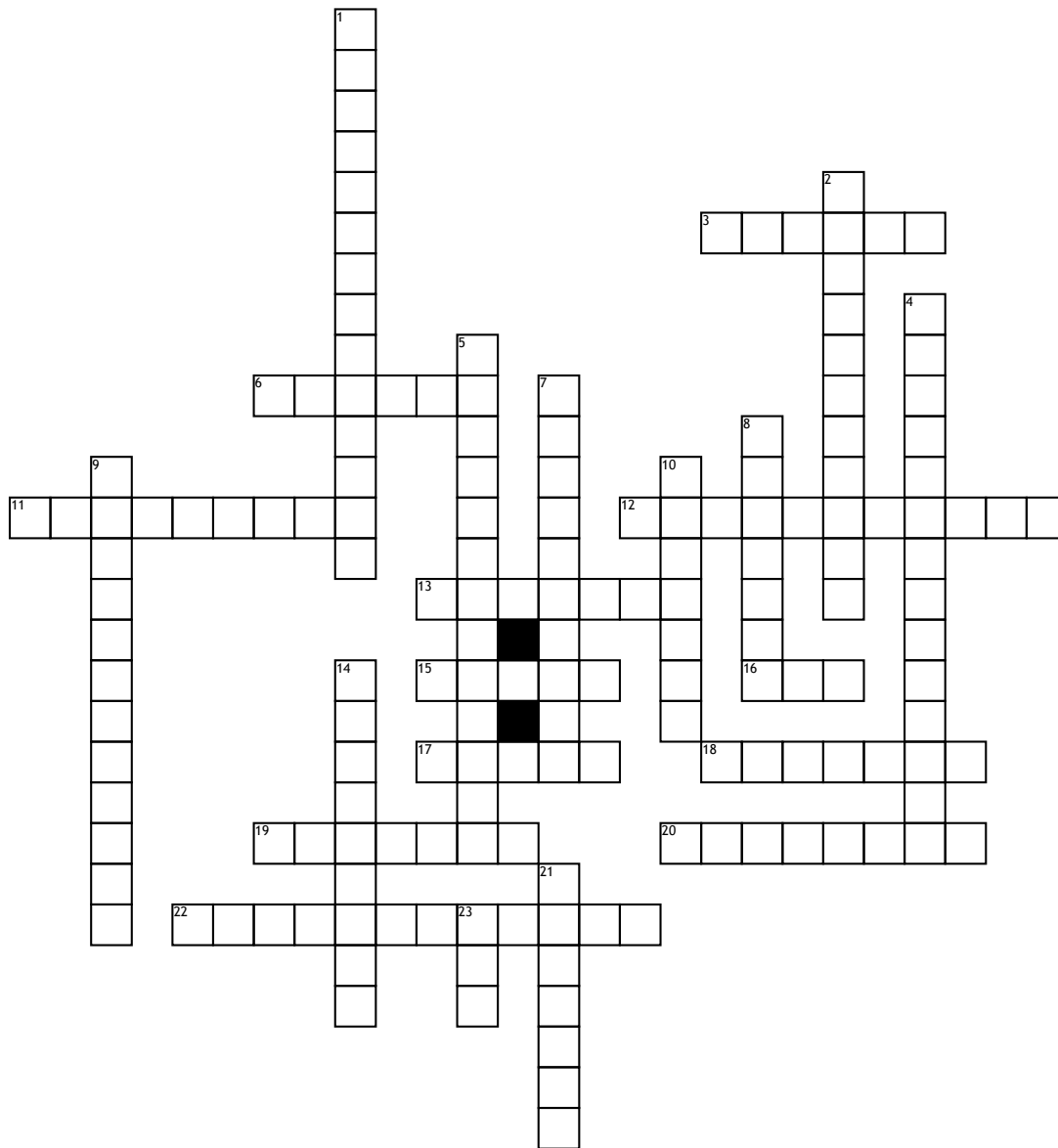


Name: _____

Date: _____

Biochemistry



Across

3. An R-group is any group in which the carbon or hydrogen is attached to the rest of the molecule
 6. Storage form of glucose in plants
 11. Building blocks of protein
 12. A complex organic substance present in living cells, especially DNA or RNA, whose molecules consist of many nucleotides linked in a long chain
 13. A molecule that can be bonded to other identical molecules to form a polymer
 15. Energy-rich organic compounds, such as fats, oils, and waxes, that are made of carbon, hydrogen, and oxygen
 16. A single-stranded nucleic acid that passes along genetic messages
 17. Two monomers

18. Macromolecule that contains carbon, hydrogen, oxygen, and nitrogen; needed by the body for growth and repair

19. A simple sugar that is an important source of energy
 20. Storage form of glucose in animals
 22. Compound made up of carbon, hydrogen, and oxygen atoms; major source of energy for the human body

Down

1. Simple sugar molecule
 2. Long chain of amino acids that makes proteins
 4. Carbohydrates that are made up of more than two monosaccharides
 5. A lipid containing a phosphate group in its molecule

7. A building block of DNA, consisting of a five-carbon sugar covalently bonded to a nitrogenous base and a phosphate group

8. Large compound formed from combinations of many monomers
 9. A double sugar molecule made of two monosaccharides
 10. Glucose and fructose
 14. Carbohydrate component of plant cell walls
 21. Glucose and galactose
 23. A complex molecule containing the genetic information that makes up the chromosomes