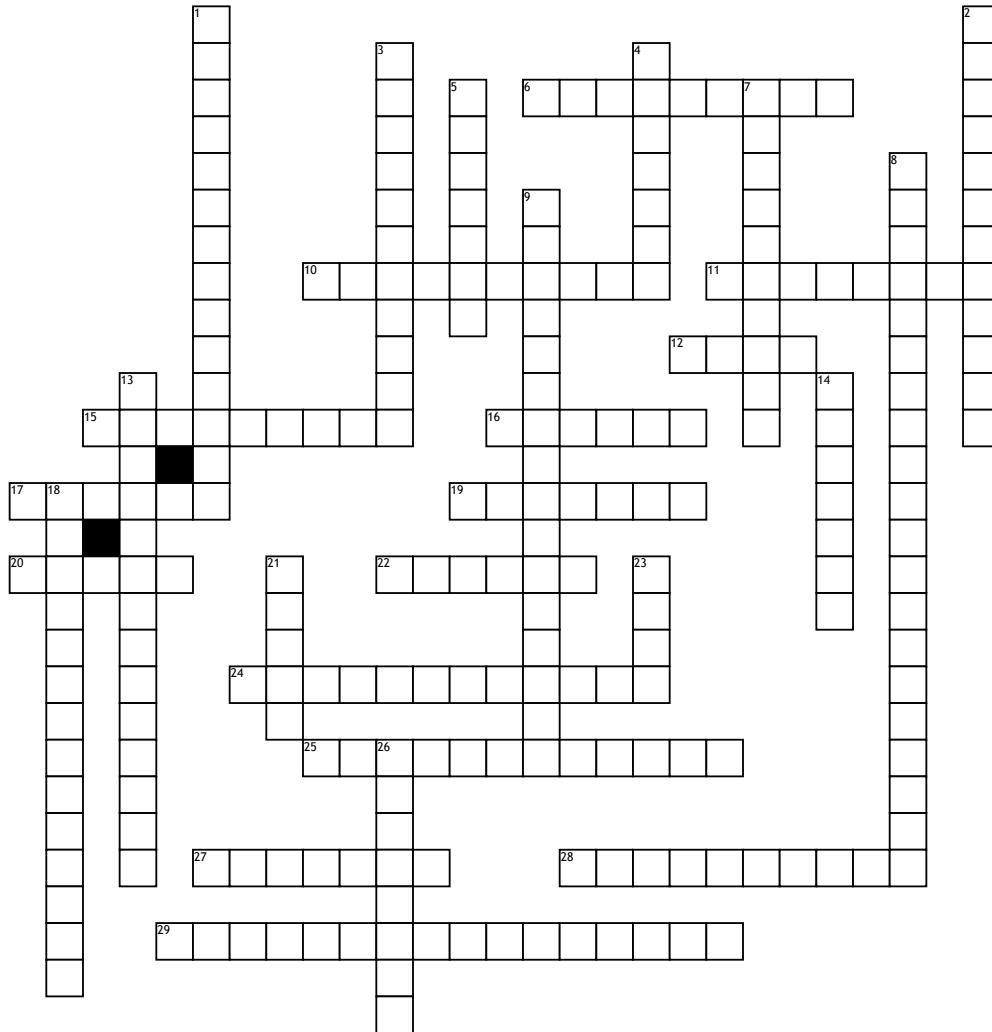


Name: _____

Date: _____

Biochemistry Crossword



Across

6. The substance on which an enzyme acts.
 10. The monomer for nucleic acids.
 11. Something that accelerates a chemical reaction.
 12. A substance that has a pH lower than seven.
 15. A bond that forms when two oppositely charged ions are attracted to each other.
 16. A polysaccharide carbohydrate that is comprised of glucose molecules.
 17. A protein catalyst that increases the rate of chemical reactions by lowering the activation energy.
 19. The organic compound that is used for structures in the body and is comprised of amino acids.
 20. The monomer of carbohydrates; a monosaccharide.
 22. Something that resists a change in pH.
 24. A molecule that consists of two sugars bonded together.

25. Used for energy in the body and has a monomer that is sugar.
 27. What the reactants form after a chemical reaction has occurred.
 28. The breakdown of a molecular compound due to a reaction with water.
 29. A reaction that creates a completely new substance and also releases energy.

Down

1. A simple sugar or one sugar molecule.
 2. A type of chemical bond that is formed when electrons are shared between pairs of atoms.
 3. The organic compound that DNA and RNA are made of.
 4. An atom of the same element that has a different atomic mass (different number of neutrons).
 5. A single part that makes up an organic compound.
 7. Twenty different types; the monomer for proteins

8. When you combine two or more molecules with the loss of water.
 9. The amount of energy required to begin a chemical reaction.
 13. Something made of many sugars, such as a starch.
 14. A substance that has a molecular structure comprised of smaller units bonded together.
 18. The solution of an acid and a base that results in the formation of salt and water.
 21. Organic compound used for storing energy and is comprised of glycerol and three fatty acids.
 23. A substance that has a pH higher than seven.
 26. One of the substances that undergoes the change in a chemical reaction.

Word Bank

Chemical reaction	Buffer	Activation energy	Hydrolysis	Carbohydrate
Ionic bond	Starch	Catalyst	Protein	Enzyme
Monomer	Disaccharide	Monosaccharide	Nucleic acid	Covalent bond
Nucleotide	Neutralization	Substrate	Amino acids	Reactant
Polysaccharide	Base	Product	Dehydration synthesis	Isotope
Sugar	Acid	Polymer	Lipid	