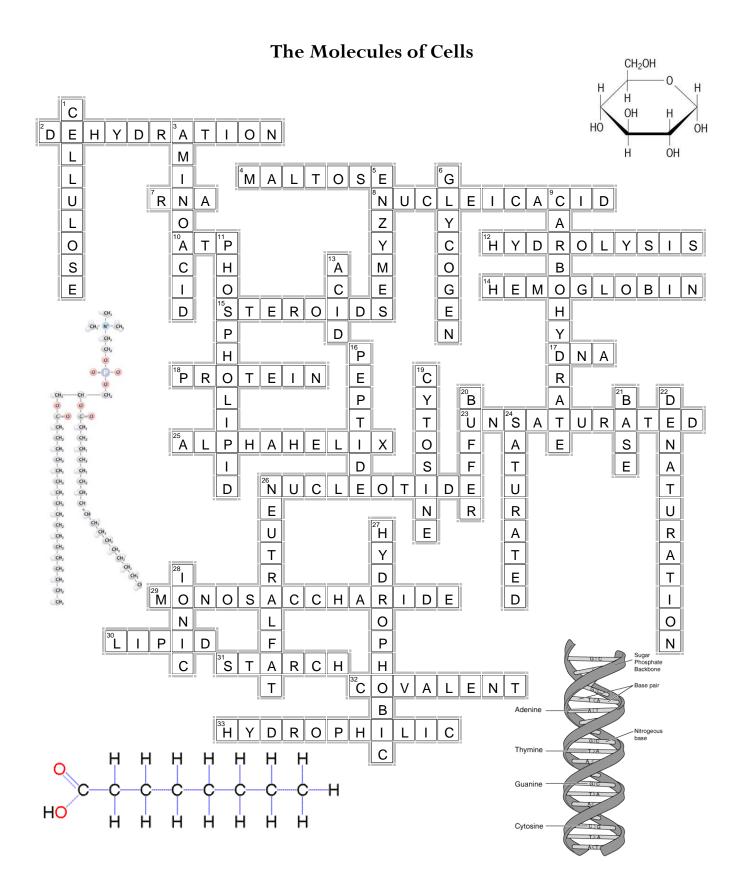
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Across

- **2. DEHYDRATION**—This reaction bonds monomers into polymers.
- 4. MALTOSE—Disaccharide formed when two glucose molecules join together.
- **7. RNA**—Nucleic acid with uracil as a nitrogenous base.
- 8. NUCLEICACID—Organic macromolecule that stores, replicates and transmits genetic information.
- 10. ATP—Has high energy phosphate bonds that are easily broken.
- **12. HYDROLYSIS**—This reaction breaks polymers into monomers.
- 14. **HEMOGLOBIN**—This important protein found in red blood cells has a quaternary structure.
- 15. STEROIDS—Forms hormones such as estrogen, testosterone and cholesterol.
- 17. DNA—Nucleic acid with thymine as a nitrogenous base.
- 18. PROTEIN—Organic macromolecule that provides for structural and metabolic body functions.
- 23. **UNSATURATED**—_____ fatty acid has double bonds between carbon atoms.
- 25. ALPHAHELIX—Protein secondary structure (spiral shape 2 words).
- **26. NUCLEOTIDE**—Composed of a nitrogenous base, phosphate and pentose sugar.
- **29. MONOSACCHARIDE**—Monomer unit of carbohydrates.
- **30. LIPID**—Organic macromolecule that provides lots of energy and long-term storage of energy.
- **31. STARCH**—Polysaccharide that is the storage form of glucose in plants.
- **32. COVALENT**—Bond formed between two nonmetals.
- **33. HYDROPHILIC**—Word meaning "water loving".

Down

- CELLULOSE—Polysaccharide that is a linear sequence of glucose molecules.
- **3. AMINOACID**—Monomer of proteins.
- **5. ENZYMES**—Type of protein that speeds up chemical reactions.
- GLYCOGEN—Polysaccharide that is the storage form of glucose in animals.
- CARBOHYDRATE—Organic macromolecule used for quick energy and short term energy storage.
- 11. **PHOSPHOLIPID**—Spontaneously forms cell membranes.
- **13. ACID**—Solution with a pH less than 7.
- PEPTIDE—Bond formed between two amino acids undergoing dehydration synthesis.
- **19. CYTOSINE**—Complementary base pair to guanine.
- 20. BUFFER—Prevents significant changes in pH and maintains homeostasis.
- **21. BASE**—Solution with a pH more than 7.
- 22. **DENATURATION**—Word describing changes in heat and pH that can cause proteins to change shape.
- **24. SATURATED**—_____ fatty acid has no double bonds between carbon atoms.
- 26. NEUTRALFAT—Organic macromolecule formed by glycerol and one or more fatty acids (2 words).
- **27. HYDROPHOBIC**—Word meaning "water hating".
- **28. IONIC**—Bond formed between metal and nonmetal.