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Biochemistry

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| **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 |