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Organic Vocab

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| **Across**  **4.** monomer for lipids  **5.** contains carbon and is found in living things  **6.** Energy needed to get a reaction started  **8.** fast energy  **10.** A complex molecule containing the genetic information that makes up the chromosomes  **13.** ending for enzymes  **14.** glucose + fructose  **21.** Oxygen carrying protein in red blood cells  **22.** Carbohydrate component of plant cell walls.  **23.** ending for sugars  **24.** enzyme changes shape and no longer works  **25.** one subunit  **26.** lipid that makes up the cell membrane  **27.** Storage form of glucose found in the liver of animals  **28.** A storage polysaccharide in plants consisting entirely of glucose  **30.** substance that speeds up the rate of a chemical reaction  **31.** 2 sugars  **33.** When an enzyme binds to its substrate  **34.** insulators and long term energy  **35.** monomer for carbs | **Down**  **1.** found in animals, solid at room temperature  **2.** builds hair skin and muscles, speeds up reactions  **3.** stores genetic information  **7.** A single-stranded nucleic acid that passes along genetic messages  **9.** found in plants, liquid at room temperature  **11.** Bonds that connect amino acids  **12.** A simple sugar that is an important source of energy.  **15.** monomer for protein  **16.** a region on an enzyme that binds to a protein or other substance during a reaction.  **17.** monomer for nucleic acids  **18.** Carbohydrates that are made up of more than two monosaccharides  **19.** many subunits  **20.** lipid molecule with four fused carbon rings  **29.** a special protein that speeds up reactions  **32.** A protein hormone synthesized in the pancreas that regulates blood sugar levels by facilitating the uptake of glucose into tissues |

   organic molecule       monomer       polymer       monosaccharide       amino acid       nucleotide       carbohydrate       lipid       protein       nucleic acid       -ose       -ase       fatty acid       enzyme       denature       activation energy       active site       catalyst       cellulose       disaccharide       DNA       enzyme-substrate complex       saturated fat       unsaturated fat       glucose       glycogen       hemoglobin       insulin       peptide bond       phospholipid       polysaccharide       RNA       starch       steroid       sucrose