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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