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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Biochemistry crossword puzzle

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| **Across**  **2.** a fatty acid with all potential hydrgen binding sites filled  **5.** a simple sugar  **8.** a hexose sugar found especially in honey and fruit  **10.** something that can not be dissolved  **14.** used as a catalyst in a specific biochemical reaction  **15.** any substance contaning a carbon based compound  **16.** the major sugar in human and bovine milk  **19.** used for making explosives and antifreeze  **21.** present in most organic acids  **23.** the process by which living cells that contain chlorophyll use light energy to make organic compounds  **27.** hydrogen and oxygen atoms in a 2:1 ratio  **28.** excessive loss of bottled water  **29.** used as a sweetening agent  **30.** a sugar or a carbohydrate, composed of two monosaccharides | **Down**  **1.** potatos, seeds, bulbs, and tubers  **3.** promotes a reaction  **4.** compound consisting of amino acids  **6.** a fat that contains a double bond  **7.** a statment suggesting an explanation for an observation or an answer  **9.** any of a class of carbohydrates formed by repeating units  **11.** building blocks for life  **12.** alter the natural qualities of something  **13.** carbohydrate found in cell walls  **17.** derived from the breakdown of fats through hydrolysis  **18.** sugar that serves as the main source of energy for most living things  **20.** a lipid associated particulary with animal plasma  **22.** a compound made up of several repeating units  **24.** an abbreviation far a group where a carbon or hydrogen atom is attached the the rest of the molecule  **25.** a molecule that may react chemically to another molecule of the same type to form a larger molecule  **26.** a group name for lipids that contain a hydrogenated ring system |