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Ch 2: CHEMISTRY OF LIFE

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| **Across**  **4.** polymers that are made of monomers called nucleotides  **7.** attraction between a slightly positive hydrogen atom and a slightly negative atom  **9.** one particular type of atom which cannot be broken down into simpler substances  **13.** substance that dissolves in a solvent  **16.** substances made by a chemical reaction  **17.** atom that gained or lost one or more electrons  **19.** smallest basic unit of live  **20.** mixture of substances that is the same throughout  **21.** forms when atoms share a pair of electrons  **22.** attraction among molecules of a substance  **23.** small molecules that make up each subunit in a complete molecule  **25.** attraction among molecules of different substances | **Down**  **1.** compound that releases a proton when dissolved in water  **2.** nonpolar molecules that include fats, oils and cholesterol  **3.** molecules composed of carbon, hydrogen and oxygen-sugars and starches  **5.** substance that is present in the great amount and that dissolves another substance  **6.** large molecule made of many small units bonded together  **8.** change substances into different substances by breaking and forming chemical bonds  **10.** two or more atoms held together by covalent bonds  **11.** forms through the electrical force between atoms with opposite charges  **12.** substances that change during a chemical reactions  **14.** polymer made of monomers called amino acids  **15.** substance made of atoms of different elements bonded together in a certain ratio  **18.** compound that remove H+ ions from solution  **24.** scale to measure acidity or H+ concentration |