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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Macromolecules

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|  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | 5 |  |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  | 7 |
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|  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  | 10 |  | 11 |  |  |  |  |  |  |
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|  |  |  |  |  | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  | 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **1.** a substances that decreases the activation energy needed to start a chemical reaction and, therefore, increases the rate of the chemical reaction  **4.** a molecule composed of carbon, hydrogen, and oxygen, includes sugars and starches  **9.** a subunit of a complete molecule?  **11.** nonpolar molecules, includes fats, oils, and cholesterol  **12.** condition in which reactants and products of a chemical reaction are formed at the same rate  **13.** substance formed by a chemical reaction  **14.** molecules that contain carbon, hydrogen, oxygen, nitrogen, and sometimes sulfur  **15.** catalysts for chemical reactions in living things  **16.** a substance that is changed by a chemical reaction | **Down**  **2.** chemical reaction that yeilds a net release of energy in the form of heat  **3.** a polymer made of monomers called amino acids  **5.** chemical reaction that requires a net input of energy  **6.** a polymer made of monomers called nucleotides, DNA and RNA are genral types of nucleic acids  **7.** chains of carbon atoms bonded to hydrogen atoms, saturated or unsaturated  **8.** a large molecule, or macromolecule, made of many monomers bonded together  **10.** a specific reactant that an enzyme acts on |