|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Biological Molecules

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |
|  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  |  |  | 6 |  |
|  | 7 |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 11 |  |  |  |  |  |  |  |  | 12 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 13 |  |  |  |  |  |  |  |  |  |  |  |  | 14 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across****3.** The polysaccharide in starch that is branched.**8.** The type of bond that joins monomers in a carbohydrate.**10.** Number of carbon rings in cholesterol.**11.** An example of a protein that has a quaternary structure.**12.**  The type of bond that joins monomers in a protein.**13.** The monomer unit in a protein.**14.**  The type of bond found in a lipid.**15.**  Level of protein structure that involves hydrogen bonds, ionic bonds, disulfide bridges and hydrophobic/hydrophilic interactions between R-groups on the same polypeptide chain.**16.** The type of reaction that uses water to break a bond. | **Down****1.** The monomer unit in a carbohydrate.**2.** The type of reaction that yields water and a bond is produced.**4.** The name of the molecule comprised of glycerol and three fatty acids.**5.**  Carbohydrates are made of carbon, oxygen and \_\_\_\_\_\_\_\_\_\_\_.**6.** Bonds involved in creating the secondary structure of a protein.**7.** The individual repeating units that make a polymer.**9.** Example of a carbohydrate that is made of B-glucose monomers. |