Macromolecules

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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  P |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 2  P | H | O | S | P | H | O | L | I | P | I | D |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | T |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 3  P |  | 4  P |  | 5  P |  |  | I |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 6  S |  |  | R |  | U |  | H |  |  | D |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 7  S |  |  |  | E |  |  | O |  | R |  | O |  |  | E |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 8  F | A | T | T | Y | A | C | I | D | T | A | I | L | S |  |  | B |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | A |  |  |  | O |  |  | E |  | N |  | P |  |  | O |  |  |  | 9  M |  |  |  |  |  |  |
|  |  |  |  |  | 10  R | N | A |  | N |  | 11  S | I | D | E | C | H | A | I | N | S |  |  | O |  |  |  |  |  |  |
|  |  |  |  |  | C |  |  |  | D |  |  | N |  | S |  | O |  |  | D |  |  |  | N |  |  | 12  C |  | 13  N |  |
|  |  |  |  |  | H |  | 14  M |  | A |  |  |  |  |  |  | D |  |  |  |  |  |  | O |  |  | A |  | U |  |
|  |  |  |  |  |  | 15  F | O | U | R |  |  | 16  T | H | Y | M | I | N | E |  |  |  |  | S |  |  | R |  | C |  |
|  |  |  |  |  |  |  | N |  | Y |  |  |  |  |  |  | E |  |  |  |  |  |  | A |  |  | B |  | L |  |
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|  |  |  | 17  P | O | L | Y | M | E | R |  | 18  S | T | R | U | C | T | U | R | E |  |  |  | C |  |  | H |  | O |  |
|  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  | H |  |  | Y |  | T |  |
|  | 19  D | E | N | A | T | U | R | E |  | 20  U | N | S | A | T | U | R | A | T | E | D |  |  | A |  |  | D |  | I |  |
|  |  |  |  |  |  |  | S |  |  |  |  |  |  |  |  | B |  |  |  |  |  |  | R |  |  | R |  | D |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 21  G | L | Y | C | O | S | I | 22  D | I | C | L | I | N | K | A | G | E |  |
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|  |  |  |  |  |  |  |  |  |  |  |  | 23  L | I | 24  P | I | D | S |  | H |  |  |  | E |  |  | E |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | R |  | S |  |  | Y |  |  |  |  |  |  | S |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | O |  |  |  |  | D |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 25  Q | U | A | T | E | R | N | A | R | Y |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | E |  |  |  |  | A |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 26  T | R | I | G | L | Y | C | E | R | I | D | E |  |  | T |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **2.** This lipid is found in cell membranes.  **8.** Triglycerides have 3 of these, while phospholipids have 2.  **10.** This nucleic acid is single stranded.  **11.** These are involved in tertiary structure.  **15.** Steroids are lipids that are composed of \_\_\_\_\_\_ rings.  **16.** This nitrogenous base is not found in RNA.  **17.** A sequence of monomers is referred to as a  **18.** Protein's are very specific in their \_\_\_\_\_, as it determines their function  **19.** If a protein is dropped in strong acid, it will...  **20.** This word can be used to describe a fatty acid found in plants or fish.  **21.** Bond that joins two or more carbohydrate monomers together  **23.** This "macromolecule" doesn't match the definition perfectly.  **25.** Only some proteins have this type of structure.  **26.** This form of lipids are held together by an ester bond. | **Down**  **1.** Covalent bonds between amino acids result in this specific type of bond  **3.** DNA -> RNA -> \_\_\_\_\_\_  **4.** Adenine and Guanine  **5.** This bond links the backbone in nucleic acids.  **6.** Alpha helixes and beta sheets are created in what level of structure?  **7.** The plant equivalent to an animal's glycogen  **9.** Monomer of carbohydrates  **12.** Composed of C,H, and O in a ratio of 1:2:1  **13.** Nucleic acids are built from chains of  **14.** A macromolecule is composed of these single units  **22.** Reaction used to create polymers  **24.** This macromolecule is made of amino acids |