

1. \_\_\_\_\_ Dehydration Synthesis \_\_\_\_\_ is the process used to build polymers.
  
2. List the 4 macromolecules and their monomers respectively.
  1. \_\_\_\_\_ Carbohydrates \_\_\_\_\_ / \_\_\_\_\_ Monosaccharides (Simple Sugars) \_\_\_\_\_
  2. \_\_\_\_\_ Nucleic Acids \_\_\_\_\_ / \_\_\_\_\_ Nucleotides \_\_\_\_\_
  3. \_\_\_\_\_ Proteins \_\_\_\_\_ / \_\_\_\_\_ Amino Acids \_\_\_\_\_
  4. \_\_\_\_\_ Lipids \_\_\_\_\_ / \_\_\_\_\_ Fatty Acids can be for some lipids \_\_\_\_\_
  
3. To break a polymer into its monomers a molecule of water is \_\_\_\_\_ hydrolyzed \_\_\_\_\_.
  
4. The bond holding together 2 amino acids is a \_\_\_\_\_ Peptide Bond \_\_\_\_\_.
  
5. \_\_\_\_\_ Disulfide \_\_\_\_\_ gives folded proteins a chance to hold properly.
  
6. The bond holding together 2 nucleotides is a \_\_\_\_\_ Phosphodiester \_\_\_\_\_ bond \_\_\_\_\_, while the bond holding 2 nitrogenous bases together is a \_\_\_\_\_ Hydrogen Bond \_\_\_\_\_.
  
7. A nucleotide is made up of
  1. \_\_\_\_\_ Nitrogenous Base \_\_\_\_\_
  2. \_\_\_\_\_ 5C Sugar (either ribose or deoxyribose) \_\_\_\_\_
  3. \_\_\_\_\_ Phosphate Group \_\_\_\_\_
  
8. The bond holding together 2 monosaccharides is a \_\_\_\_\_ C-O \_\_\_\_\_ bond \_\_\_\_\_.