

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