**Secret Phrase Activity: Proteins and Nucleic Acids**

**Directions:** Figure out the hints and write the answers on the correct spaces. At the end write the highlighted letters in order to answer the secret question. Don’t guess the question first!!!

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**Hints**

1. The two types of nucleic acids are called deoxyribonucleic acid and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. In what level of protein structure does the mistake resulting in Sickle Cell Anemia occur?
3. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a portion of a nucleotide that does not contain a phosphate group.
4. The monomer of a nucleic acid is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. A protein that speeds up a chemical reaction but is not consumed by the reaction is a (n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. The difference between a DNA and a RNA molecule is the DNA lacks a (n) \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ in its five carbon sugar.
7. What protein found in red blood cells is responsible for carrying oxygen?
8. What is the process in which a protein unfolds?

**Question:** What enzyme present in tears, sweat, and saliva is used to destroy pathogens on the surface of the body?

**Answer:** \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ ­­­