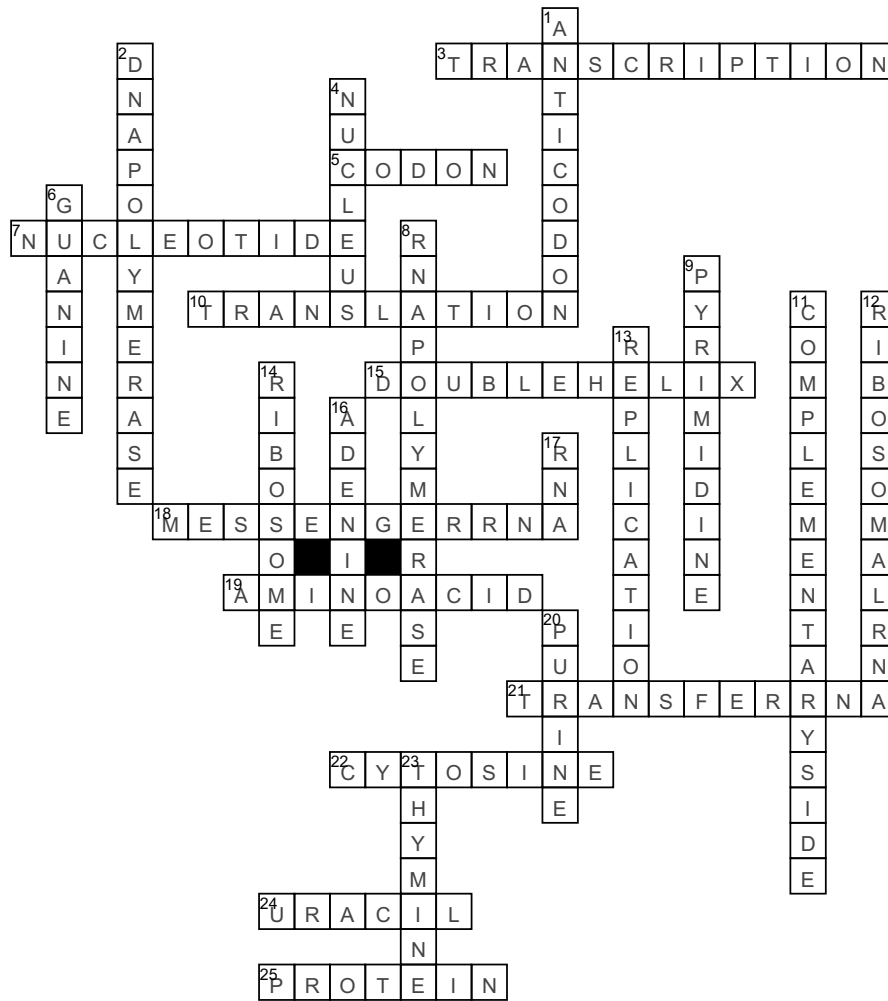


Protein Synthesis



Across

- process of copying a nucleotide sequence of DNA
- sequence of three nucleotides that codes for one amino acid
- monomer that forms DNA
- process by which mRNA is decoded and a protein is produced
- in which two strands wind around one another, to that of a twisted ladder
- carries genetic information from the nucleus to the cytoplasm
- molecule that makes up proteins, composed of carbon, hydrogen, oxygen, nitrogen and sometimes sulfur
- form of RNA that brings amino acids to ribosomes during protein synthesis
- matches with Guanine
- matches with Adenine
- Polymer composed of amino acids linked by peptide bonds; folds into a particular structure depending on bonds between amino acids

Down

- sequence of three nucleotides in a tRNA molecule that binds to a complementary mRNA codon during translation
- enzyme that makes bonds between nucleotides
- double membrane that acts as the storehouse for most cell's DNA
- matches with Cytosine
- enzyme that catalyzes the synthesis of a complementary strand
- nitrogenous base, has one circular ring structure, C, T match with purine
- either of the two sides that make up a double helix of DNA
- RNA that is in the ribosome and guides the translation of mRNA into a protein
- process by which DNA is copied
- organelle that links amino acids together to form proteins
- matches Thymine and Uracil
- molecule that allows for transmission of genetic information and protein synthesis
- nitrogenous base, has two circular ring structures, A, G match with a pyrimidine
- matches with Adenine

Word Bank

Thymine
 Messenger RNA
 complementary side
 Purine
 Transfer RNA
 Ribosomal RNA
 Replication

DNA polymerase
 Codon
 Ribosome
 Guanine
 Uracil
 Pyrimidine

Transcription
 Protein
 Adenine
 Amino Acid
 Double Helix
 RNA polymerase

Nucleus
 Nucleotide
 Cytosine
 Anticodon
 RNA
 Translation