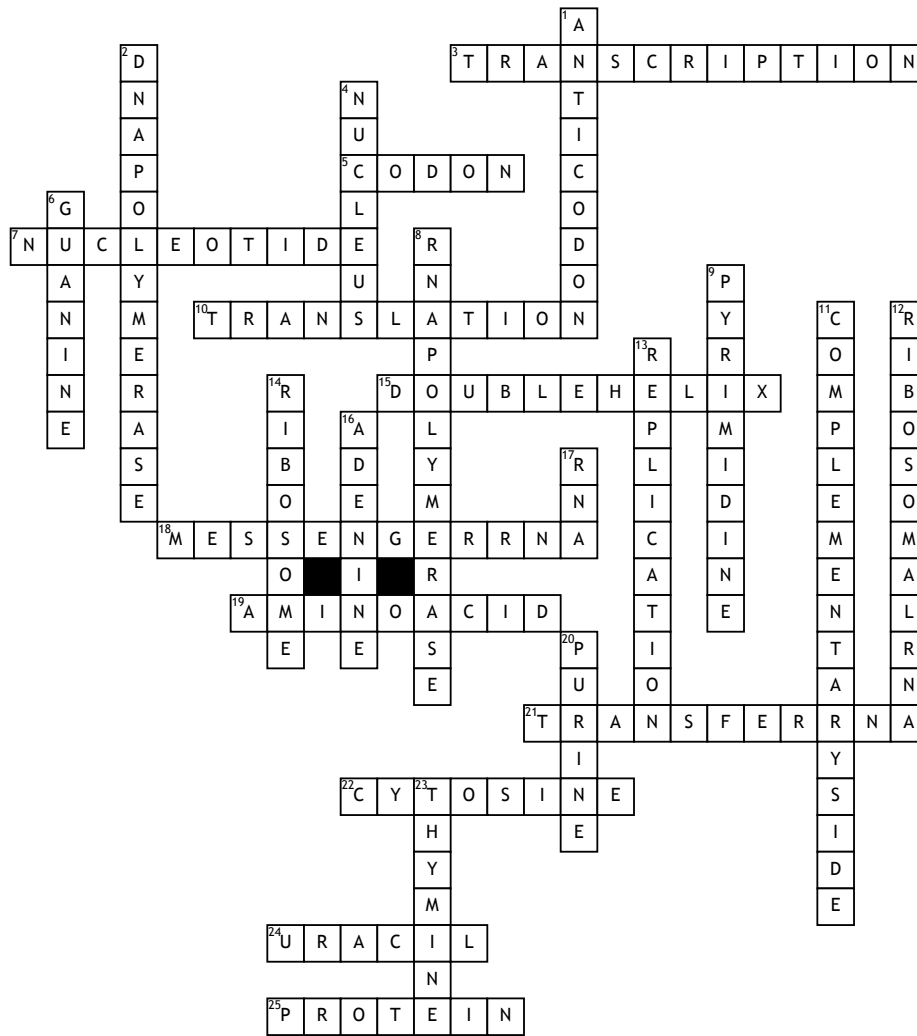


Name: _____

Date: _____

Protein Synthesis



Across

3. process of copying a nucleotide sequence of DNA
5. sequence of three nucleotides that codes for one amino acid
7. monomer that forms DNA
10. process by which mRNA is decoded and a protein is produced
15. in which two strands wind around one another, to that of a twisted ladder
18. carries genetic information from the nucleus to the cytoplasm
19. molecule that makes up proteins, composed of carbon, hydrogen, oxygen, nitrogen and sometimes sulfur
21. form of RNA that brings amino acids to ribosomes during protein synthesis

Word Bank

Double Helix
Cytosine
RNA
Adenine
Nucleotide

Uracil
Replication
Nucleus
Guanine
Purine

Ribosome
Pyrimidine
Anticodon
Messenger RNA
Transfer RNA

Transcription
Codon
Protein
Ribosomal RNA
complementary side

RNA polymerase
Thymine
DNA polymerase
Translation
Amino Acid

22. matches with Guanine

24. matches with Adenine

25. Polymer composed of amino acids linked by peptide bonds; folds into a particular structure depending on bonds between amino acids

Down

1. sequence of three nucleotides in a tRNA molecule that binds to a complementary mRNA codon during translation
2. enzyme that makes bonds between nucleotides
4. double membrane that acts as the storehouse for most cell's DNA
6. matches with Cytosine
8. enzyme that catalyzes the synthesis of a complementary strand

9. nitrogenous base, has one circular ring structure, C, T match with purine

11. either of the two sides that make up a double helix of DNA

12. RNA that is in the ribosome and guides the translation of mRNA into a protein

13. process by which DNA is copied

14. organelle that links amino acids together to form proteins

16. matches Thymine and Uracil

17. molecule that allows for transmission of genetic information and protein synthesis

20. nitrogenous base, has two circular ring structures, A, G match with a pyrimidine

23. matches with Adenine