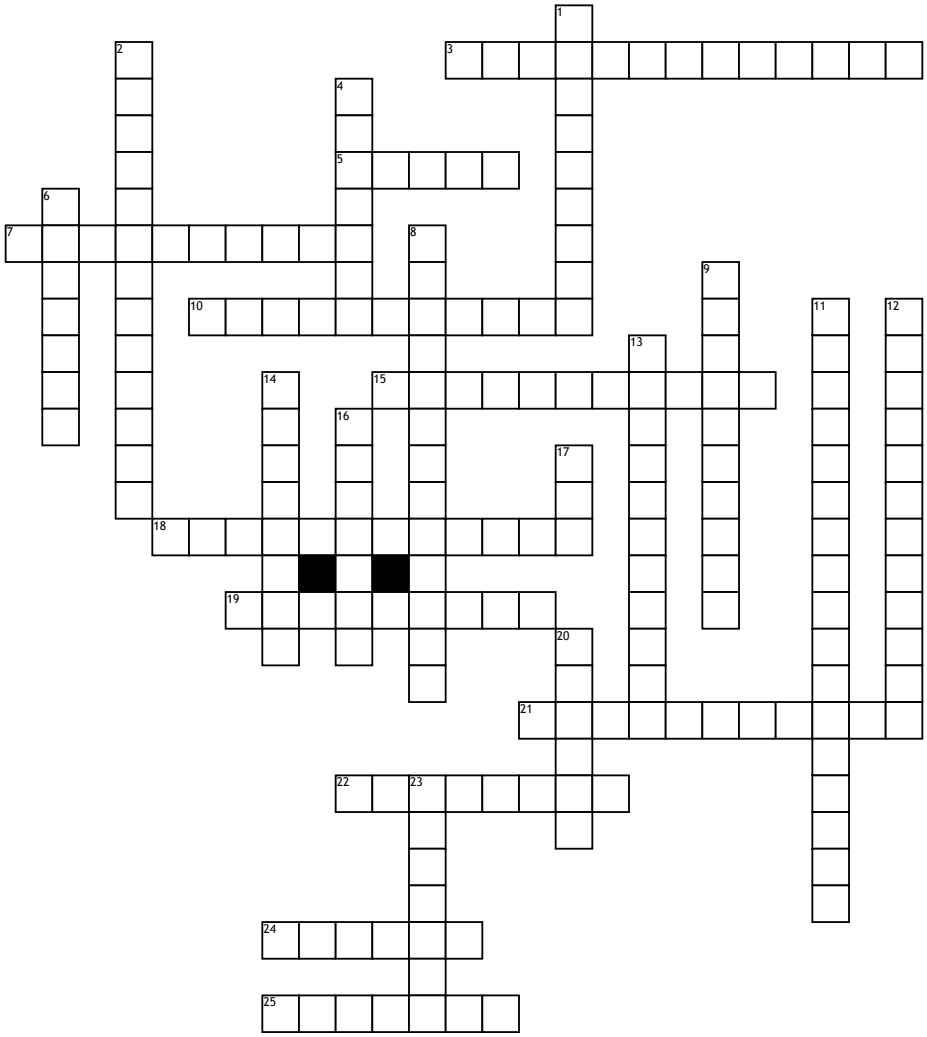
Name: _____ Date: _____

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

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

Word Bank

Codon	Adenine	Transfer RNA	complementary side	Nucleus
DNA polymerase	Thymine	Translation	Pyrimidine	RNA
Cytosine	Amino Acid	Transcription	Ribosome	RNA polymerase
Nucleotide	Anticodon	Double Helix	Replication	Uracil
Messenger RNA	Guanine	Ribosomal RNA	Purine	Protein