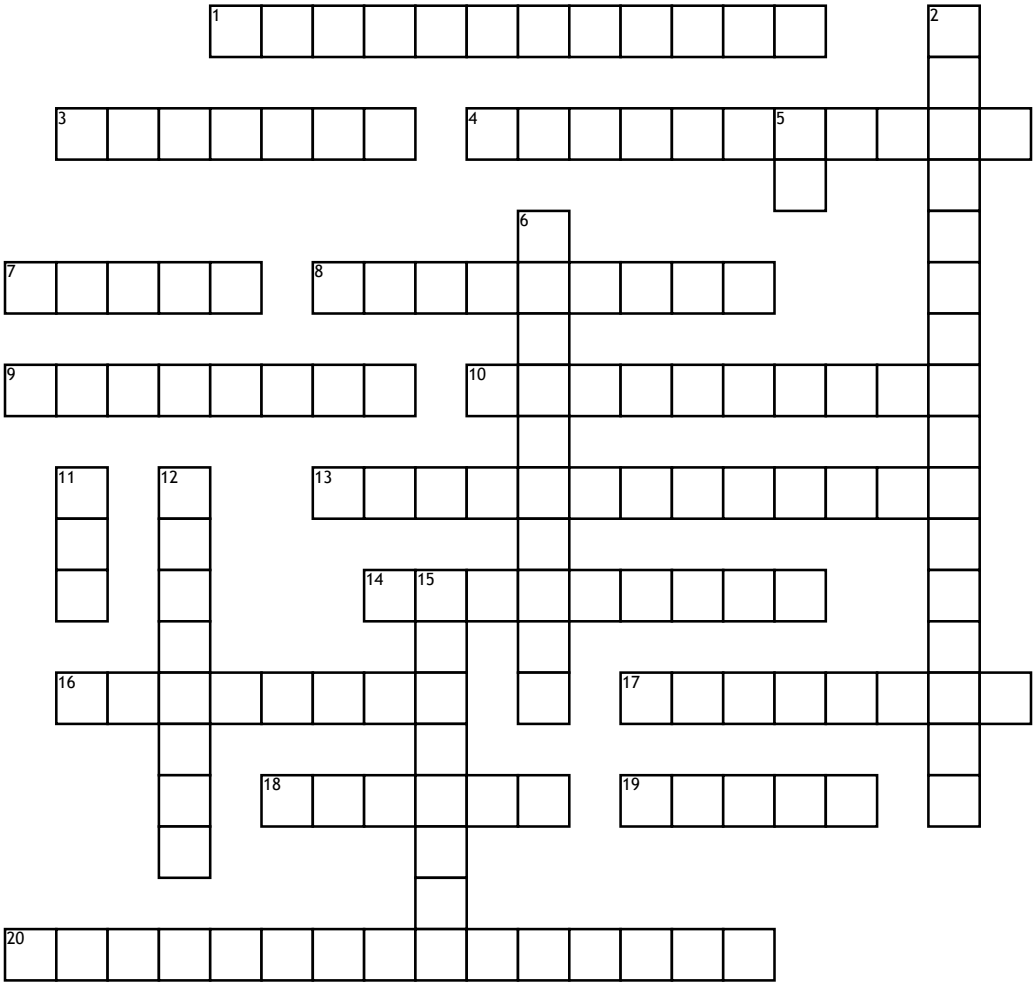
Name: _____ Date: _____

Protein Synthesis



Across

1. Changes a single base pair by replacing one base for another
3. The transcription process happens inside the _____.
4. The process of decoding mRNA into amino acids and making a polypeptide
7. Coded DNA instructions that control the production of protein
8. Occurs when one or more bases are added to DNA sequence
9. The sugar in the nucleotide
10. Are not being made during protein sythesis
13. Process where a DNA sequence of a gene is copied to make an RNA molecule
14. 3 nucleotide/base code for an amino acid on tRNA
16. A change in a genetic sequence
17. Type of mutations that change the amino acid speciied by codon
18. Type of mutations that do not affect the sequence of amino acids during translation.
19. 3 nucleotide/base code for an amino acid on mRNA
20. RNA

Down

2. The process of decoding DNA and making protein
5. Adenine-Uracil
6. Type of mutation that changes how nucleotides are interpreted as codons beyond the point of mutation
11. Adenine, uracil, guanine, and cystosine are nitrogen bases for _____.
12. Occurs when one or more bases are removed from a DNA sequence
15. Type of mutation that causes translation to stop prematurely

Word Bank

Insertion	Nonsense	Silent	Transcription	Deletion
Mutation	Genes	Translation	A-U	Frameshift
Amino acids	Anti-codon	Codon	Nucleus	Missense
Protein synthesis	Substitution	RNA	Ribonucleic acid	Ribosome