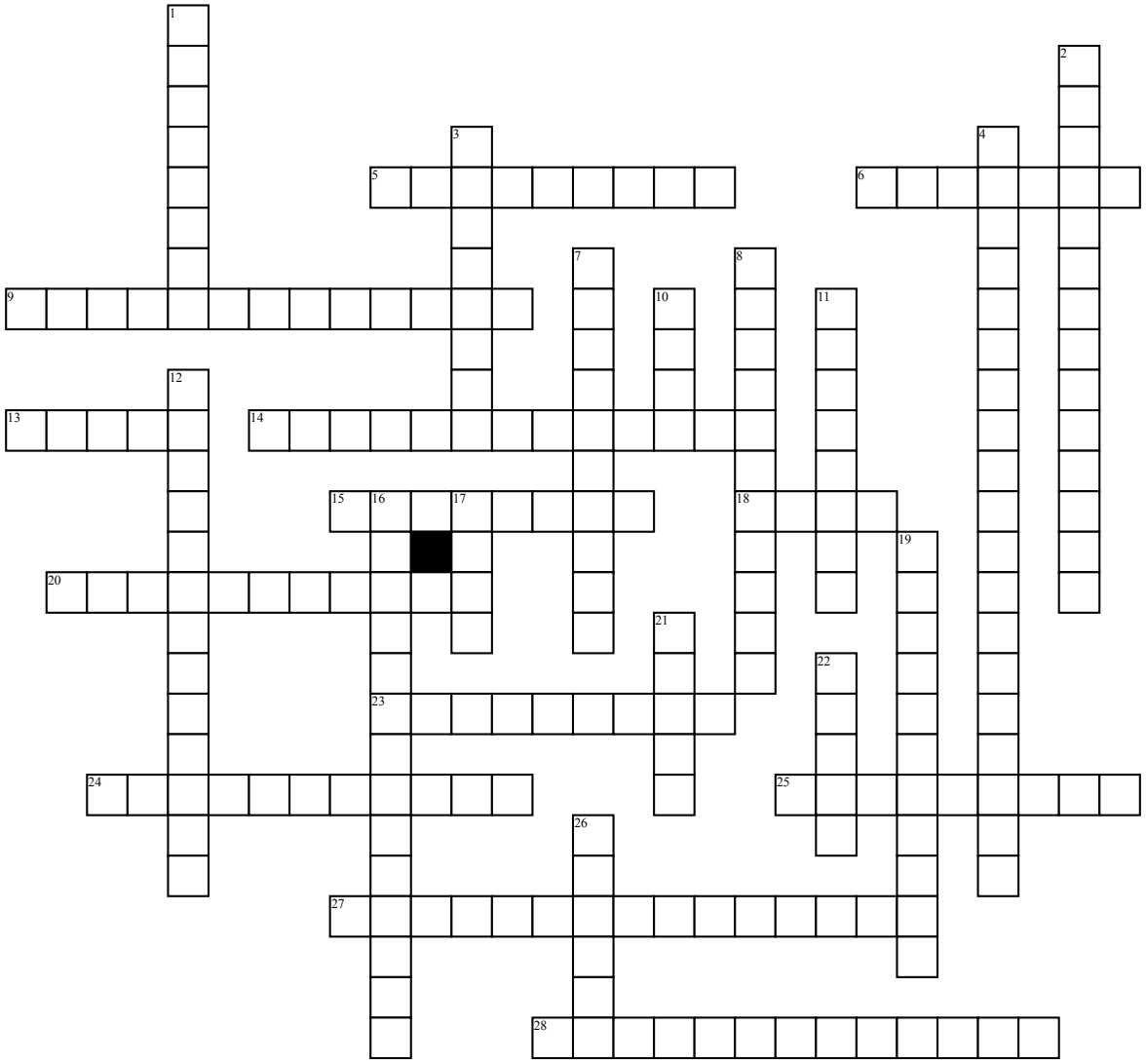
Name: _____ Date: _____

Unit 5



Across

5. DNA tightly packed with protein
6. nucleotides not involved in protein coding
9. copyng a DNA sequence into mRNA
13. set of three nucleotides
14. A virus that infects bacteria
15. the second region in a strand of DNA
18. this RNA tranfers amino acids to the ribosome
20. process of duplicating DNA before cell division
23. changes in genetic material
24. Decpdomg pf mRNA into polypeptide chain
25. tRNA carries these;complimentary to mRNA's codon
27. the process in which cells become specialized to perform different functions
28. uses DNA as a template and forms a strand of RNA

Down

1. Protein that is involved in Chromatin
2. When one strain of bacteria is permenantly changed into another type of bacteria is called___?
3. regions of DNA that RNA polymerase binds to
4. Change in Gnenetic material that caused a regrouping of every codon that follows
7. Condition where an organism has an extra set of chromosomes
8. monomer of nucleic acids; composed of doxyribose, a phosphate group, and a nitrogenous base
10. sends information to the rest of the cell
11. series of genes that control the differentiation of cells and tissues in the embryo
12. The enzyme involved in DNA replication
16. change that occurs at a single point in the DNA sequence
17. RNA used to power ribosomes
19. the principle that adenine bonds with thymine and guanine bonds with cytosine
21. coded DNA instructions that control the production of proteins withing the cell
22. DNA sequences that DO code for protein
26. group of genes that operate together

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