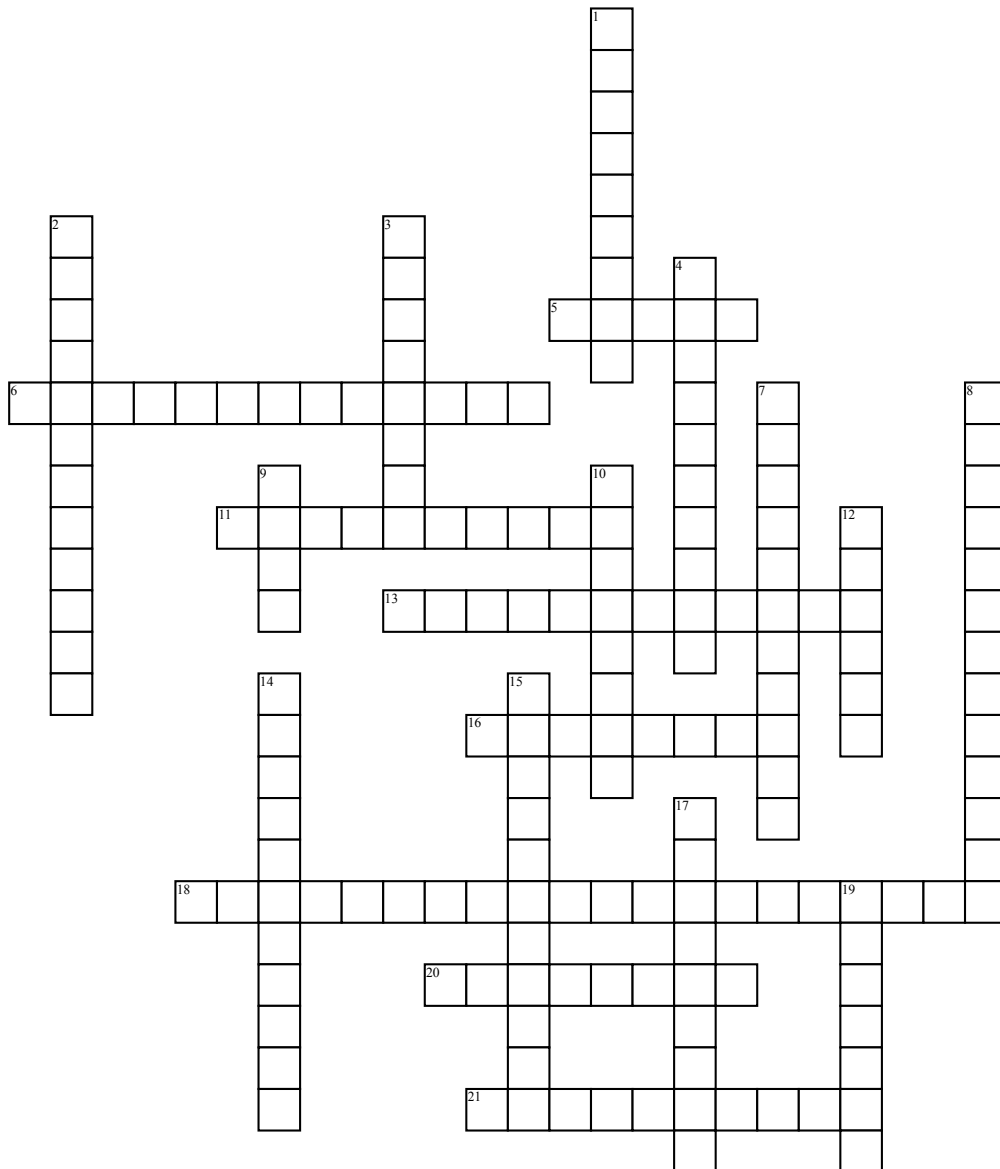


Genetics and Heredity Crossword Puzzle



Across

5. Each series of three nitrogen bases on mRNA.
6. The process of making mRNA from DNA.
11. A molecule made of a nitrogen base, a sugar, and a phosphate group. Chains of these make up the double helix of DNA.
13. Type of mutation in which the cytosine-guanine base pair has been replaced by a thymine-adenine pair.
16. Type of mutation in which three base pairs have been temporarily removed.
18. Occurs when multiple genes determine the phenotype of a trait.
20. A change in the nucleotide sequence of a gene.

21. Alleles show _____ dominance when the offspring's phenotype is a combination of the parents' phenotypes.

Down

1. Type of mutation in which three base pairs have been added.
2. When the two alleles of a gene are different, its genotype is _____.
3. The two alleles that control how a trait is expressed.
4. When the two alleles of a gene are the same, its genotype is _____.
7. When both alleles can be observed in a phenotype.
8. Diagram used to predict possible genotypes.

9. Segments of DNA that are not parts of genes are often called _____ DNA.

10. Diagram used to predict possible phenotypes.
12. Known as the "father of genetics" (last name only)
14. The process of making a protein from RNA.
15. The process of copying a DNA molecule to make another DNA molecule.
17. How a trait is expressed.
19. Different forms of a gene