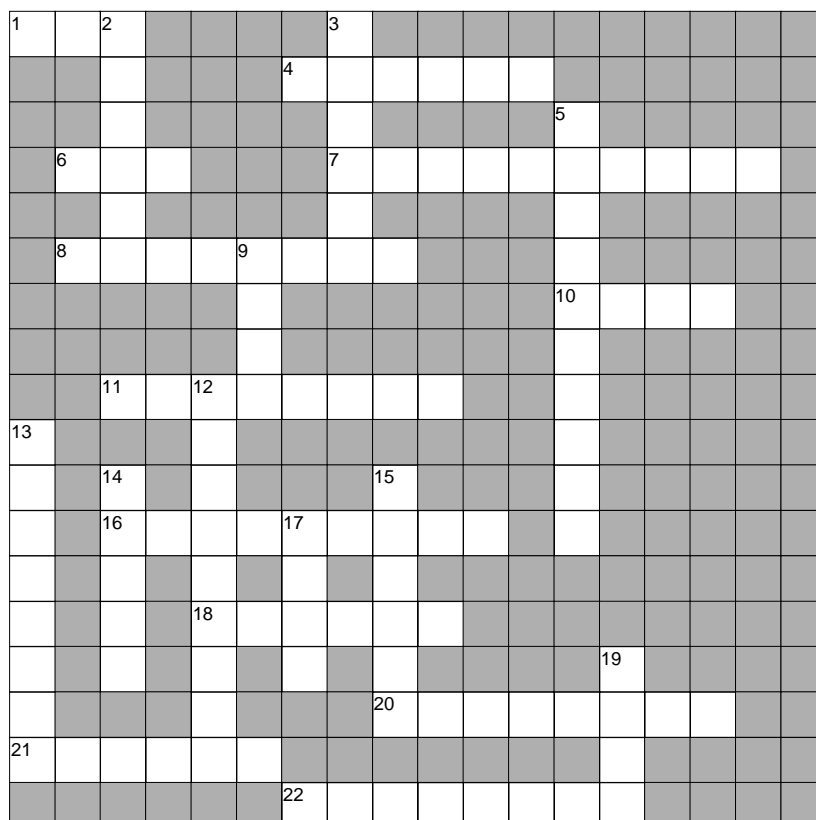


# Genetics



## Across

1. Abbreviation of deoxyribonucleic acid.[3]
4. Colour blindness is a sex \_\_\_\_ hereditary disease.[6]
6. Females have XX \_\_\_\_ chromosomes.[3]
7. Threadlike structures on which genes are situated.[10]
8. Family tree in genetics.[8]
10. Number of genes and chromosomes inherited from each parent.[4]
11. Condition where the pair of alleles for a characteristic are the same.[8]
16. Characteristic that is determined by a pair of genes e.g. blue eye colour[9]
18. Shape used for a male in a pedigree.[6]
20. More strongly inherited.[8]
21. In a pedigree, a person affected with a disease is shown by a \_\_\_\_ shape.[6]
22. Pair of alleles for a characteristic e.g. Bb.[8]

## Down

2. Alternative form of a gene for a characteristic.[6]
3. Shape used for a female in a pedigree.[6]
5. Type of cross where both parents are hybrid for a characteristic.[10]
9. Inherited chemical that is situated on a chromosome.[4]
12. Less strongly inherited.[9]
13. Study of heredity.[8]
14. Male reproductive cell.[5]
15. Type of genotype where the pair of alleles are not the same.[6]
17. Scientific name for an egg.[4]
19. XY chromosomes indicate the sex chromosomes for a \_\_\_\_.[4]