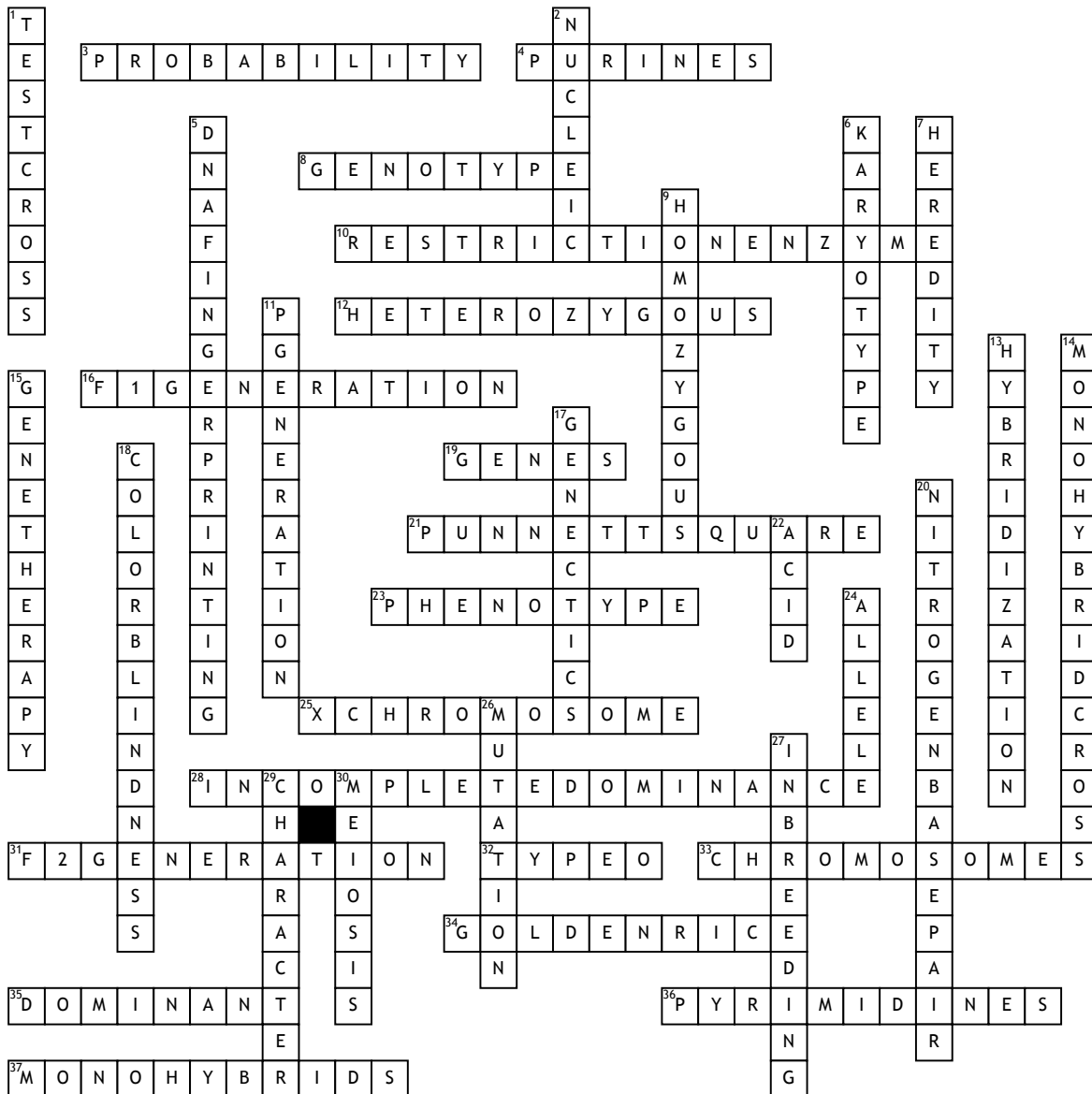


# Genetics Crossword



## Across

3. the chance of something occurring
4. consists of guanine and adenine
8. alleles that an organism contains for a particular trait
10. the DNA can be cut into a small segment by
12. term used to describe the genotype of an organism that contains two different alleles
16. the generation resulting immediately from a cross of the first set of parents
19. sections of chromosomes
21. special chart that helps us organize the result of a cross between the sex cells of two individuals
23. observable traits of an organism
25. the gene for color blindness is located in what chromosomes
28. blended traits
31. result of a cross between two F1 individuals

32. universal blood donors for the ABO system
33. long thread of materials found inside the nucleus
34. modified race that produces beta carotene
35. traits that mask the presence of the other trait
36. consist of cytosine and thymine
37. a hybrid that is heterozygous with respect to specified gene

## Down

1. genetic cross between a homozygous recessive individual and corresponding heterozygote to determine the heterozygote's genotype (PP x pP)
2. comes from the fact that DNA is a permanent resident of the nucleus.
5. process of DNA matching which is used in criminal investigation
6. a picture of all the chromosomes in a cell
7. passing on of traits from parents to offspring

9. terms used to describe the genotype of an organism containing two alleles that are the same

11. parental generation
13. breeding two individuals with different traits
14. mating between two individuals with different alleles for one trait
15. technique for correcting genes
17. the science behind heredity
18. inability to distinguish other colors under normal lighting conditions
20. consists of purines and pyrimidines
22. comes from the phosphate group, which donates hydrogen
24. pair of genes
26. a change in a gene or chromosomes
27. breeding two individuals with similar traits
29. any observable feature
30. the process that produces 4 sex cells