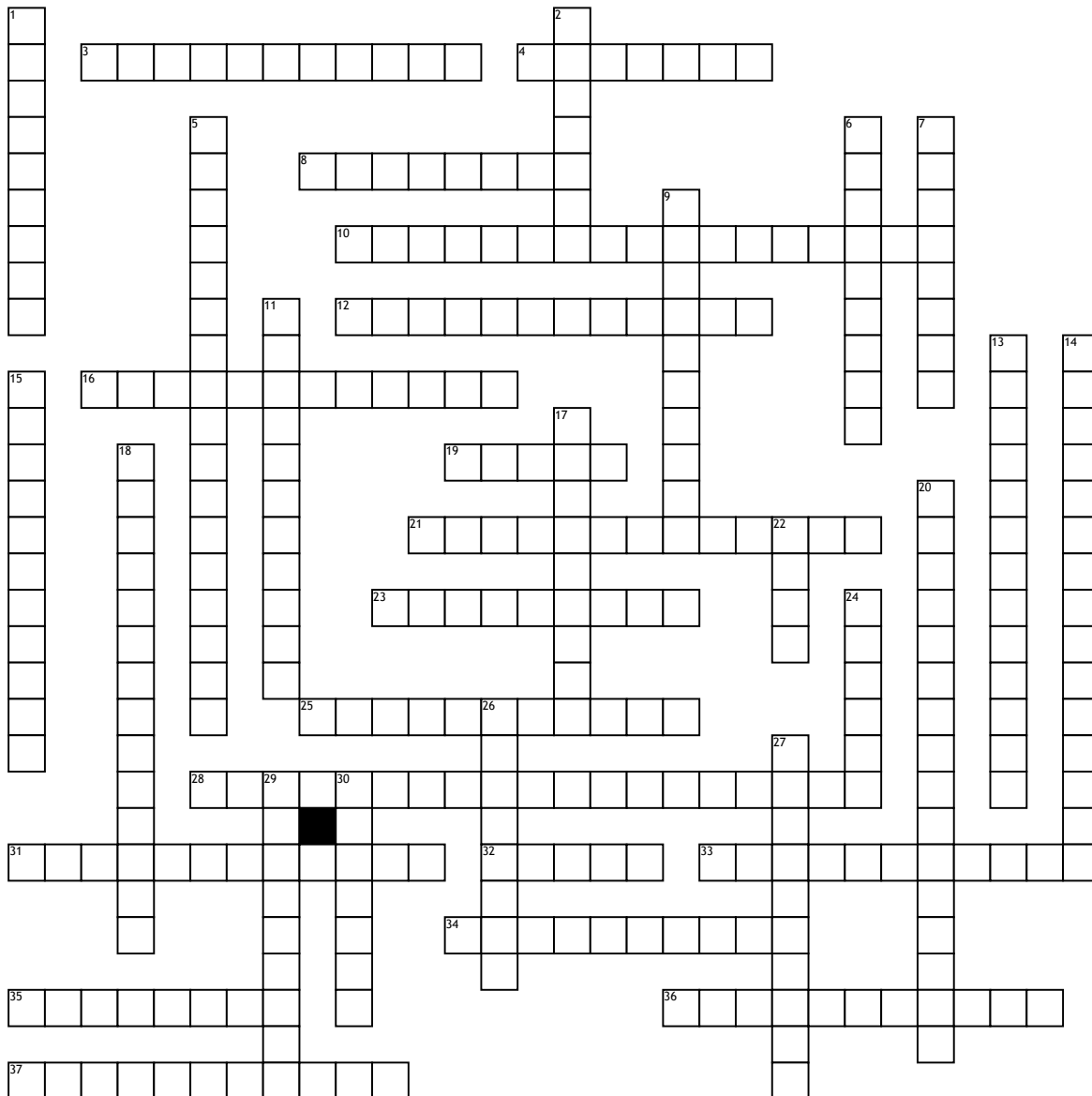


# Genetics Crossword



## 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