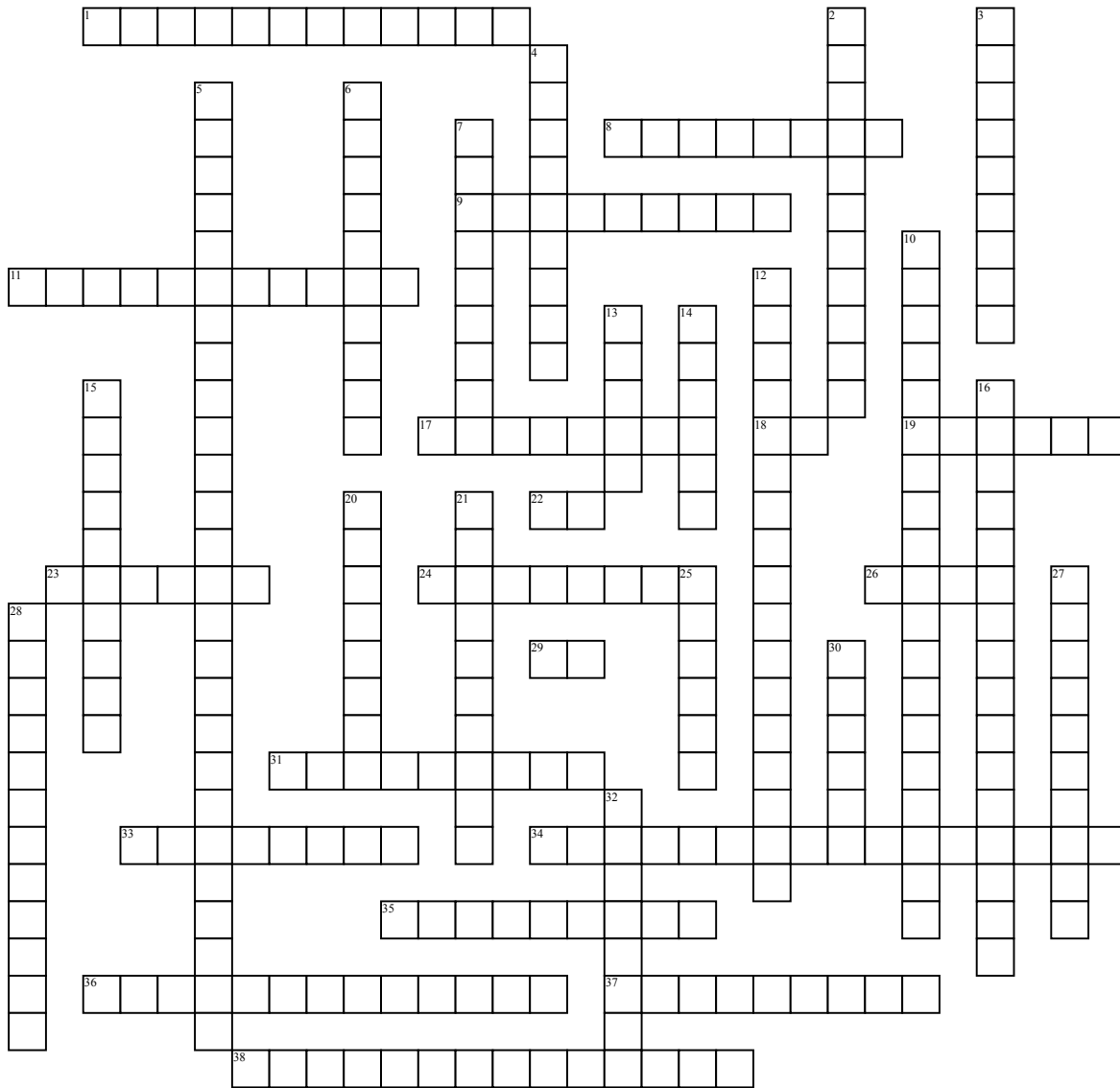


# Genetics Crossword



**Across**

- 1. An individual having two different alleles of a particular gene or genes
- 8. The offspring of parents differing in two specific pairs of genes
- 9. The interaction of genes that are not alleles
- 11. A form of dominance in which the alleles of a gene pair in a heterozygote are fully expressed thereby resulting in offspring with a phenotype that is neither dominant nor recessive
- 17. The record of descent of an animal, showing it to be purebred
- 18. The first filial generation, which is comprised of offspring
- 19. The colorless fluid part of blood, in which corpuscles or fat globules are suspended
- 22. The second filial generation, which is comprised of offspring
- 23. A fine powdery substance, typically yellow, consisting of microscopic grains discharged from the male part of a flower or from a male cone
- 24. A toxin or other foreign substance that induces an immune response in the body
- 26. Small, round, green seeds that are eaten as vegetables
- 29. An inherited protein found on the surface of red blood cells

- 31. a genetic test for ascertaining whether an individual is homozygous or heterozygous
- 33. An animal bred from parents of the same breed or variety
- 34. The transfer of pollen from an anther of a flower of one plant to a stigma of a flower of another plant of the same species
- 35. A gene that gets trumped by a dominant gene
- 36. A diagram that is used to predict the outcome of a particular cross or breeding experiment
- 37. Any chromosome that is not a sex chromosome
- 38. The failure of one or more pairs of homologous chromosomes or sister chromatids to separate normally during nuclear division, usually resulting in an abnormal distribution of chromosomes in the daughter nuclei

**Down**

- 2. The production by a single gene of two or more apparently unrelated effects
- 3. The genetic constitution of an individual organism
- 4. A gene or heritable characteristic carried by a sex chromosome
- 5. During meiosis, the alleles of a gene segregate independently of the alleles of other genes
- 6. A colorless cell that circulates in the blood and body fluids and is involved in counteracting foreign substances and disease

- 7. The set of observable characteristics of an individual
- 10. A form of intermediate inheritance in which one allele for a specific trait is not completely expressed over its paired allele
- 12. The fertilization of plants and some invertebrate animals by their own pollen or sperm
- 13. The hollow base of the carpel of a flower
- 14. One of two or more alternative forms of a gene that arise by mutation
- 15. A blood protein produced in response to and counteracting a specific antigen
- 16. During meiosis, the alleles of a gene pair segregate
- 20. A small colorless disk-shaped cell fragment without a nucleus; helps clot blood
- 21. The offspring of individuals that differ with respect to a particular gene pair
- 25. The male fertilizing organ of a flower
- 27. An individual having two identical alleles of a particular gene or genes
- 28. A red blood cell that contains the pigment hemoglobin, and transport oxygen and carbon dioxide
- 30. Father of modern genetics
- 32. A gene that is expressed in an organism's phenotype, masking the effect of the recessive gene