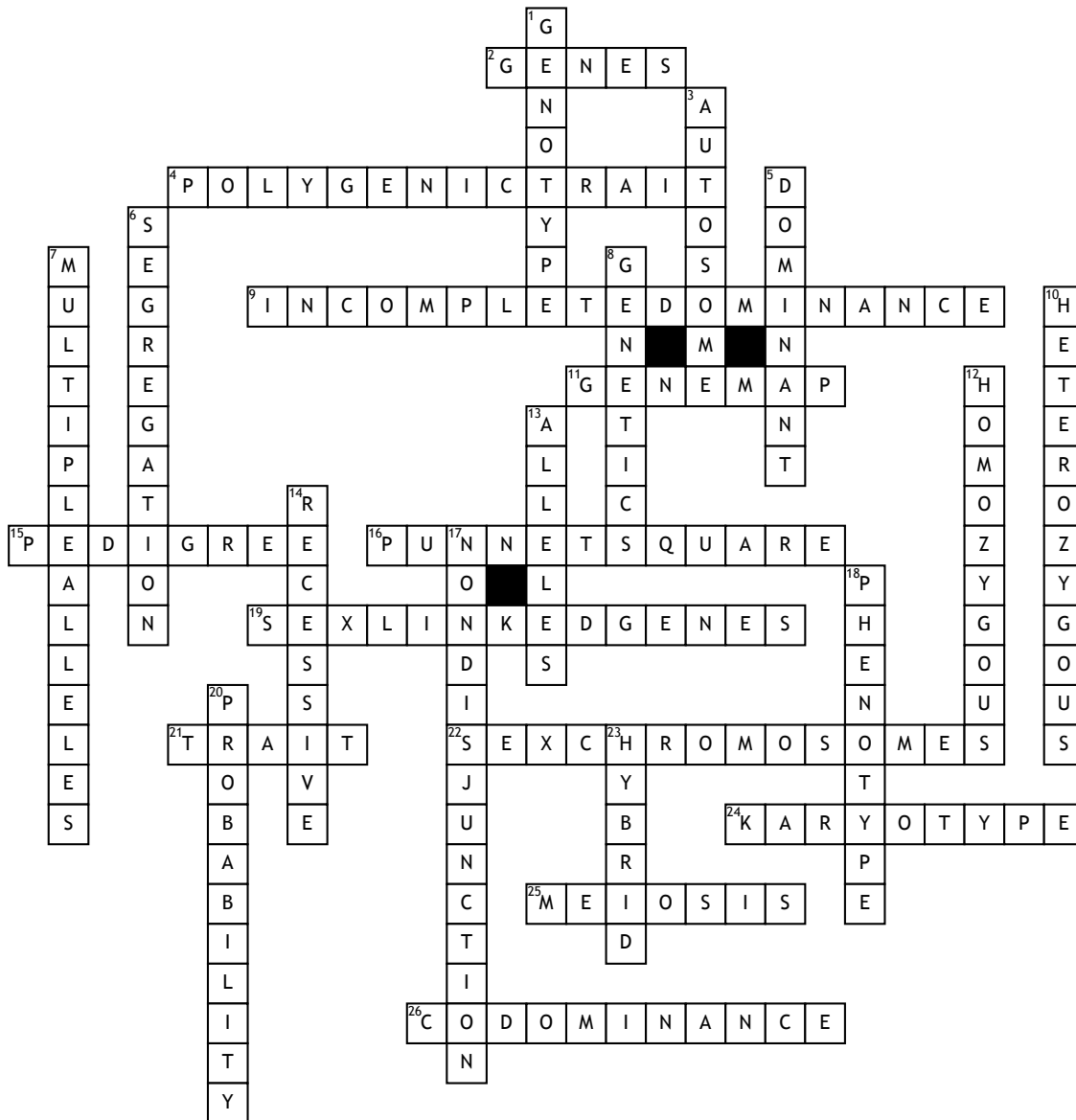


# Genetics



## Across

2. A unit of heredity that is transferred from a parent to offspring and is held to determine some characteristic of the offspring.
4. One whose phenotype is influenced by more than one gene.
9. Situation in which one allele is not completely dominate over another.
11. Diagram showing the relative locations of each known gene on a particular chromosome.
15. The record of descent of an animal, showing it to be purebred.
16. A diagram that is used to predict an outcome of a particular cross or breeding experiment.
19. Gene located on the X or Y chromosome.
21. Specific characteristic that varies from one individual to another.
22. One or two chromosomes that determine an individual's sex.

24. photograph of chromosomes grouped in order of pairs.
  25. Process of which the number of chromosomes per cell is cut in half through the separation of homologous chromosomes in a diploid cell.
  26. Situation in which both alleles of a gene contribute to phenotype of the organism.
- Down**
1. The genetic constitution of an individual organism.
  3. Any chromosome that is not a sex chromosome.
  5. Expressed or seen when a heterozygous.
  6. Separation of alleles during gamete formation.
  7. Three or more alleles of the same gene.
  8. Scientific study of heredity.
  10. Term used to refer to an organism that has two different alleles from the same trait.

12. Term used to refer to chromosomes that each have a corresponding chromosome from the opposite sex parent.
13. One, two, or more alternative forms of a gene that arise by mutation and are found at the same place on a chromosome.
14. Relating to or denoting heritable characteristics controlled by genes that are expressed in offspring only when inherited by both parents.
17. error in meiosis in which homologous chromosomes fail to separate.
18. The set of observable characteristics of an individual resulting from the interaction of its genotype with the environment.
20. A measure of the likelihood of something occurring or the chance of something happening.
23. Offspring of crosses between parents with different traits.