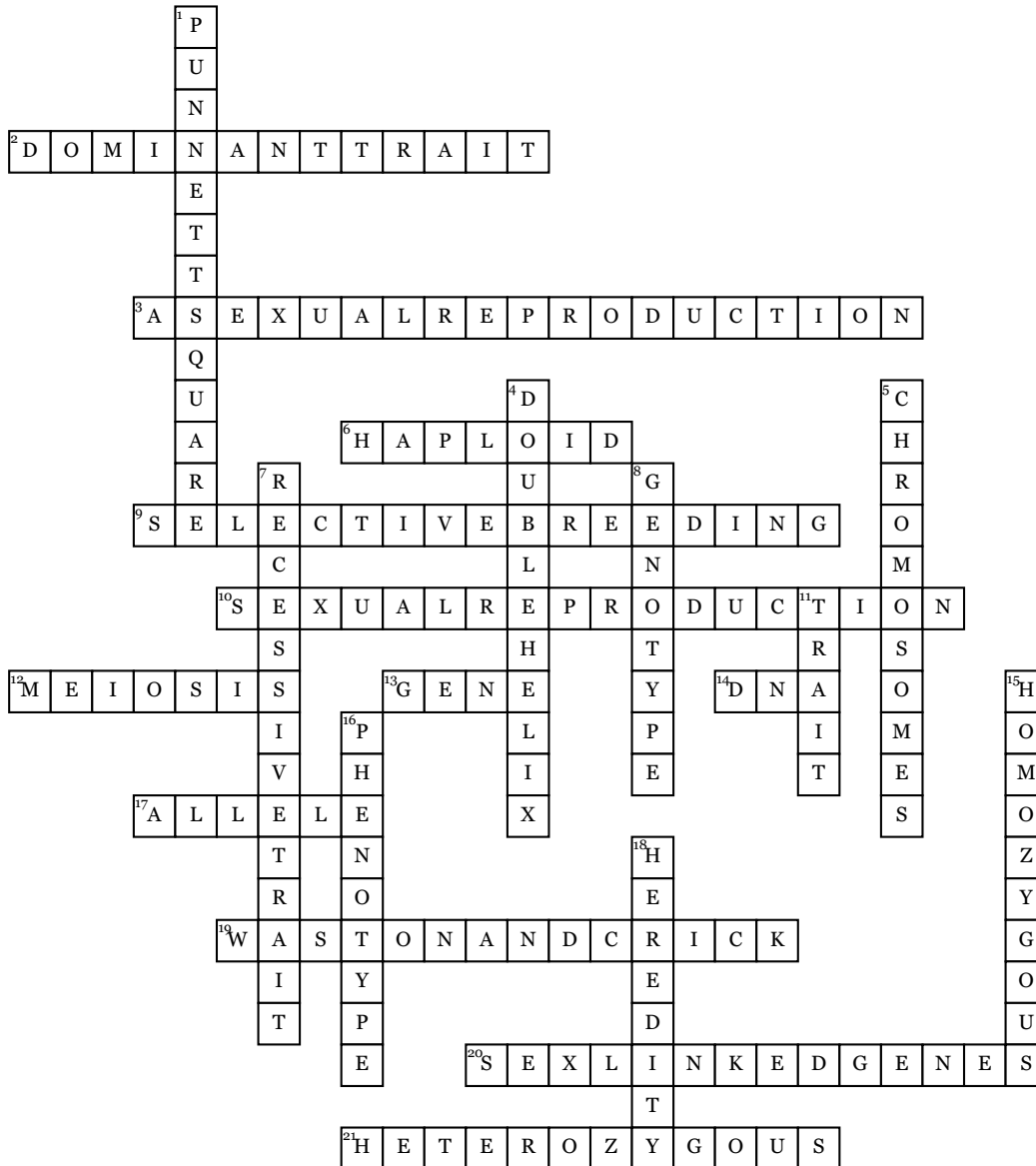


Genetic Terms



Across

2. An inherited trait that results from the expression of the dominant allele over the recessive allele

3. The reproductive process that involves only one parent and produces offspring identical to the parent.(cloning)

6. A cell with half of the normal chromosomes

9. The process by which humans use animals breeding and plant breeding to selectively develop particular phenotype traits

10. The production of new living organisms by combining genetic information from two individuals of different sexes

12. A type of cell division that results in four daughter cells each with half the number of chromosomes of the parent cell, as in the production of gametes and plant spores

13. The set of information that controls a trait, a segment of DNA on a chromosome

14. Deoxyribonucleic acid is a molecule that carries most of the genetic instructions used in the development, functioning and reproduction of all know living organisms and many viruses

17. Different forms of a gene

19. The two twentieth-century biologists who discovered the double helix of DNA

20. Is the phenotypic expression of an allele related to the sex chromosome of the individual

21. Having two different alleles for a trait

Down

1. A tool to show all possible allelic combinations of gametes in a cross of parents with known genotypes in order to predict the probability of their offspring possessing certain sets of alleles

4. A pair of parallel helices intertwined about a common axis, especially that in the structure of the DNA molecule

5. A threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes

7. A genetic trait that results from the expression of the two recessive alleles

8. The genetic constitution of an individual organism

11. A genetically determined characteristic

15. Having two identical alleles for a trait

16. The set of observable characteristics of an individual resulting from the interaction of its genotype with the environment

18. A genetically determined characteristic