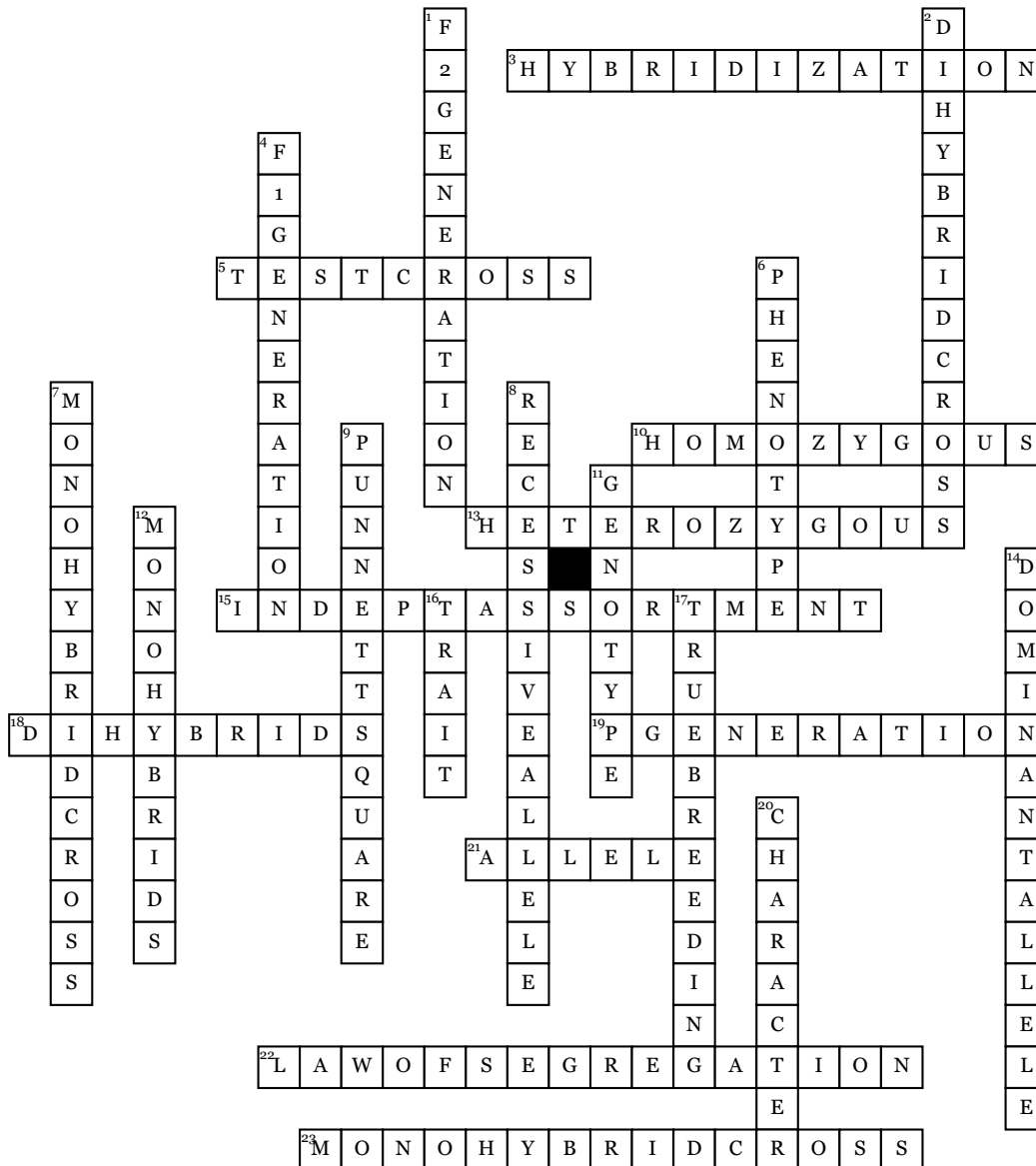


Mendelian Genetics



Across

- 3.** process of interbreeding individuals from genetically distinct populations
- 5.** genetic cross between a homozygous recessive individual and corresponding heterozygote to determine the heterozygote's genotype (PP x pP)
- 10.** pair of matching alleles for a trait
- 13.** genes where one is dominant and one is recessive
- 15.** variation in hereditary factors for independent characteristics
- 18.** hybrid that is heterozygous for alleles of two different genes
- 19.** parental generation

21. a variant form of a gene

22. during the production of gametes the two copies of each hereditary factor separate so that offspring acquire one factor from each parent

23. mating between two individuals with different alleles for one trait

Down

1. result of a cross between two F1 individuals

2. cross between two different alleles that differ in two observed traits

4. the generation resulting immediately from a cross of the first set of parents

6. set of observable characteristics of an organism

7. mating between two individuals with different alleles for one trait

8. no effect on appearance

9. diagram used to predict an outcome of a particular cross or breeding experiment

11. genetic constitution of an individual organism

12. a hybrid that is heterozygous with respect to a specified gene

14. determines the appearance

16. specific characteristic of an organism

17. an organism that passes down certain phenotypic traits to its offspring

20. any observable feature