

Name: \_\_\_\_\_

# Heredity and Genetics

## Across

2. a molecule with a nitrogen base, a sugar, and a phosphate group

3. when the offspring's phenotype is a combination of the parent's phenotypes

4. when the two alleles of a gene are the same

12. a section of a chromosome that has genetic information for one trait

14. When the allele for a trait is on an X or Y

15. thread-like structures located inside the nucleus of cells that contain the genetic information that controls traits

16. the offspring of two organisms with different forms of the same traits

17. a distinguishing quality or characteristic

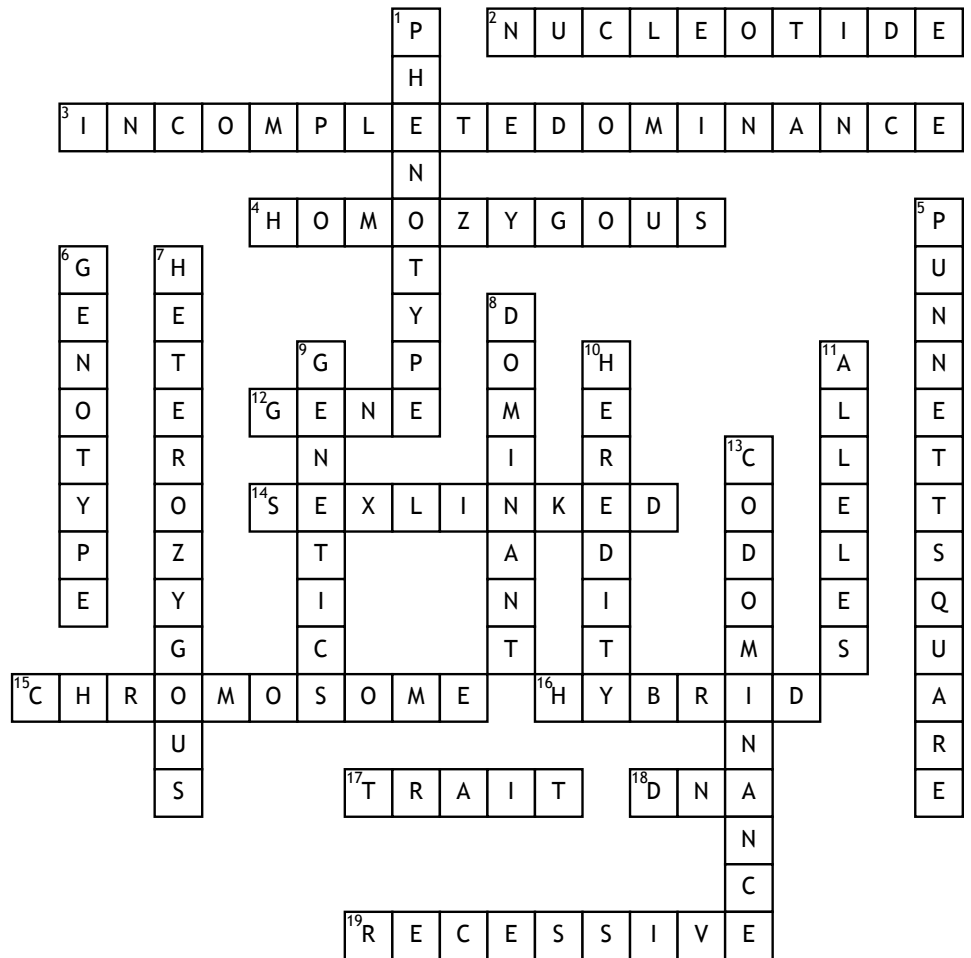
18. deoxyribonucleic acid - an organism's genetic material

19. trait that is blocked by the presence of a dominant factor

## Down

1. how a trait appears or "is expressed"

5. a model used to predict possible genotypes and phenotypes of offspring



6. the two alleles that control the phenotype of a trait

7. when the two alleles of a gene are different

8. trait that blocks another genetic factor

9. the study of how traits are passed from parents to offspring

10. the passing of traits from parents to offspring

11. different forms of the same genes

13. when both alleles can be observed in a phenotype

