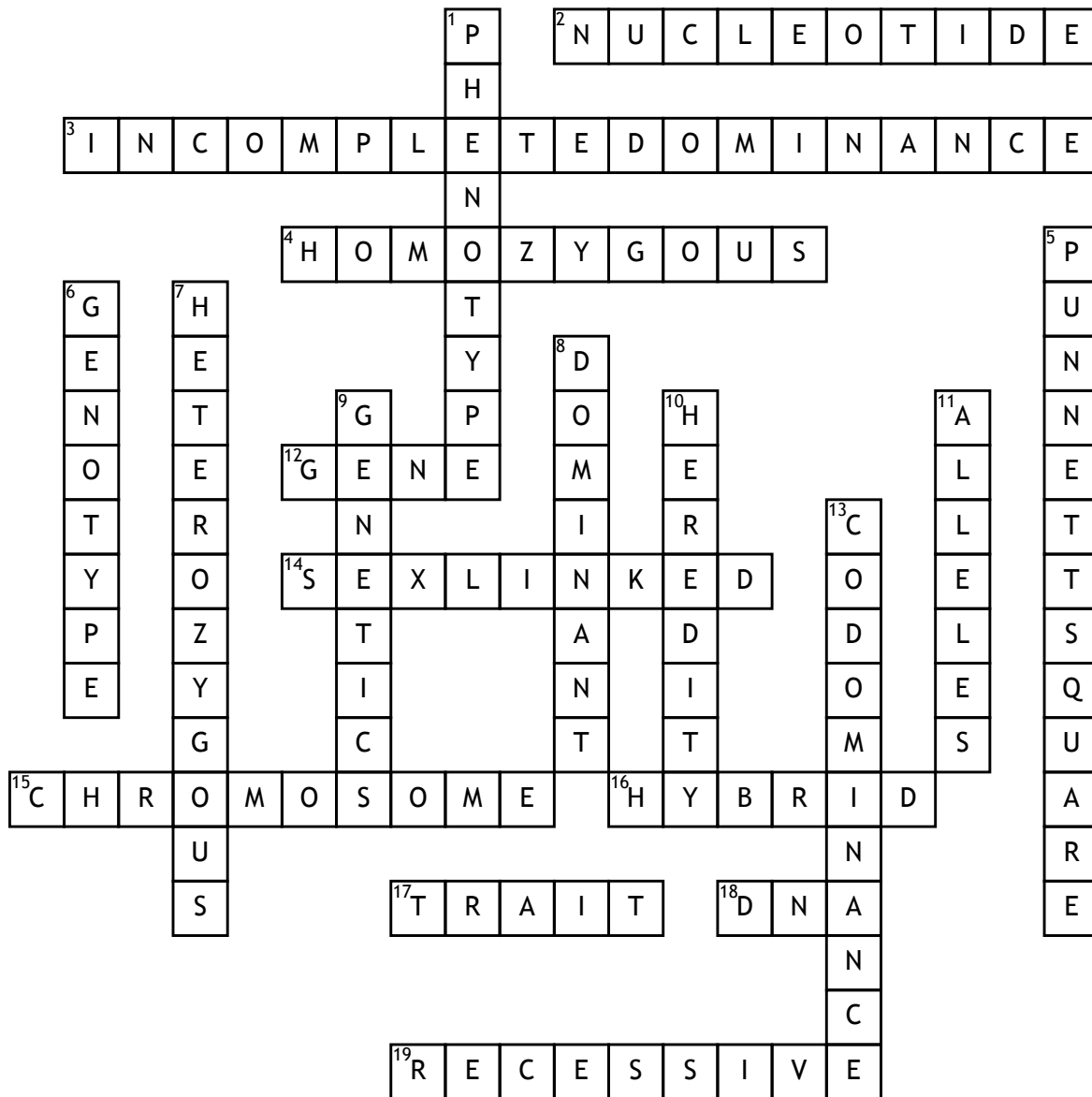


Name: \_\_\_\_\_

# 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