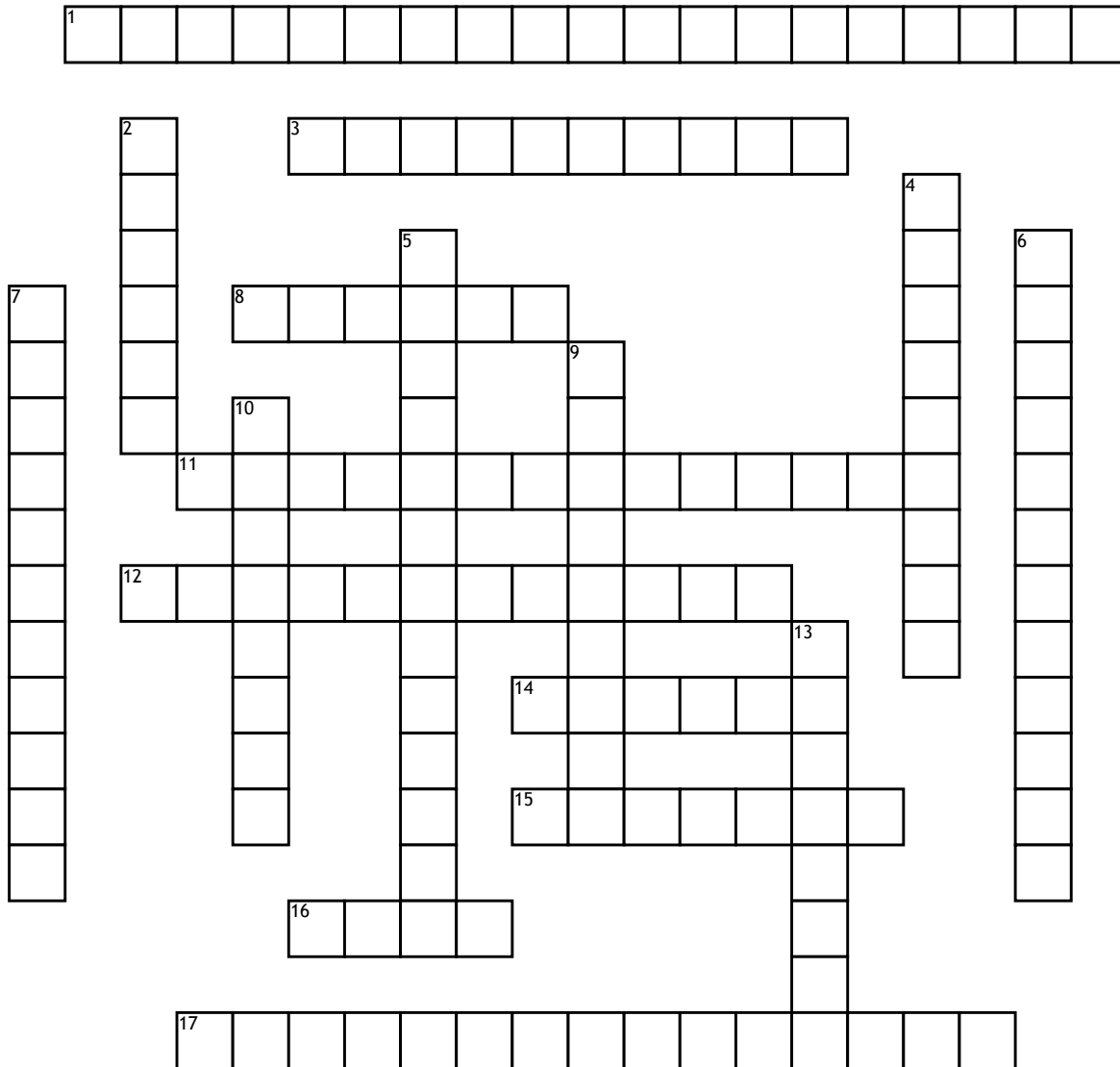


Name: \_\_\_\_\_

# Genetics Vocab



## Across

1. A type of inheritance in which the recessive allele is not completely hidden; the heterozygous genotype results in a blending of traits. ex. red, pink, white flowers

3. a zygote which has two of the same alleles; inherited the same allele from both parents

8. the variants of a gene; different options/choices of a trait

11. A trait that is carried on the sex chromosomes (X or Y). Usually the trait is carried on the X chromosome, making males more likely to show the phenotype. ex. color-blindness

12. process that occurs during Prophase I of meiosis in which the homologous chromosomes exchange genetic information with each other, results in genetic diversity

14. a fertilized egg; the first cell of a developing offspring

15. a type of cell division that creates gametes (sex cells)

16. A segment of DNA or a chromosome that codes for a specific trait.

17. A trait that is controlled by more than two alleles. ex. IA, IB, i alleles control blood type

## Down

2. sex cell; egg and sperm

4. A genetic diagram that shows the chromosomes of an individual organism

5. the union of a sperm and egg during sexual reproduction

6. a zygote which has two different alleles; inherited different alleles from each parent

7. A type of inheritance in which both alleles are equally dominant; the heterozygous genotype results in both traits showing. ex. white, black & white, black chicken feathers

9. the physical appearance of a trait

10. the genetic make-up of a trait

13. A genetic diagram that shows the inheritance over several generations of a family