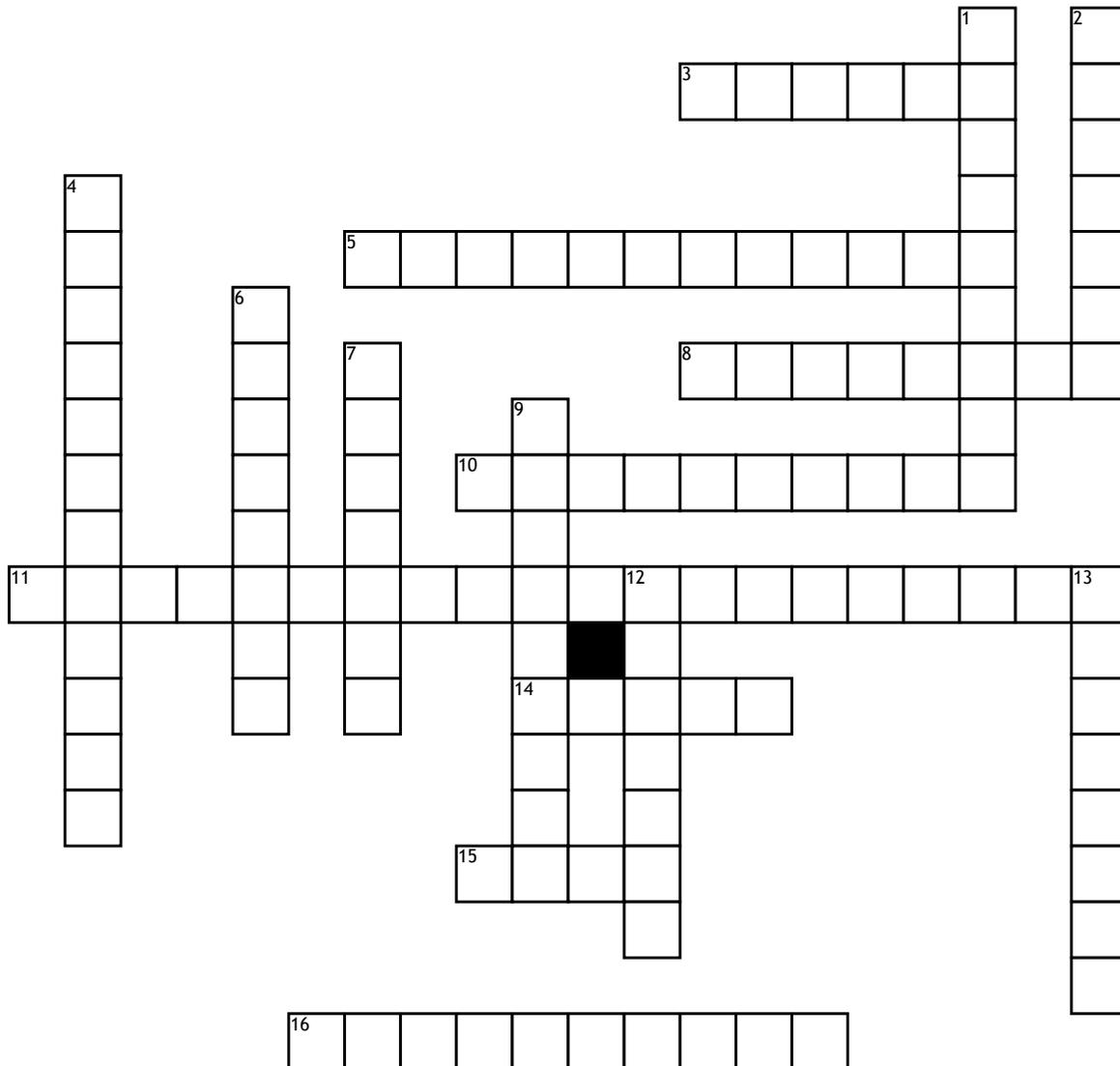


# Genetics



## Across

3. An alternative form of a gene, sometimes recessive, sometimes dominant.
5. A pair of different alleles, such as Aa.
8. The study of heredity, how traits are passed from one generation to the next.
10. DNA structures located in the nucleus of a cell.
11. Helix-shaped molecule made of four main chemicals and has all the information needed to determine all the traits of a living thing.

14. A characteristic of an organism, such as a physical appearance, a behavior, or a medical condition.
15. Unit of DNA located on a chromosome, controls the development of traits.
16. A pair of matching alleles, such as AA.

## Down

1. An allele that only produces its trait if paired with another of this type of allele.
2. You get 50% of your genes from each of your \_\_\_\_\_.

4. Father of modern genetics.
6. A paired combination of genes that determines a trait such as eye color, height, hair texture, etc.
7. A DNA molecule is a \_\_\_\_\_ billion times longer than it is wide.
9. The form of a gene that shows up as an observable trait.
12. A chromosome is to a gene as a book is to a \_\_\_\_\_.
13. An allele that will always produce its trait when paired with another allele.