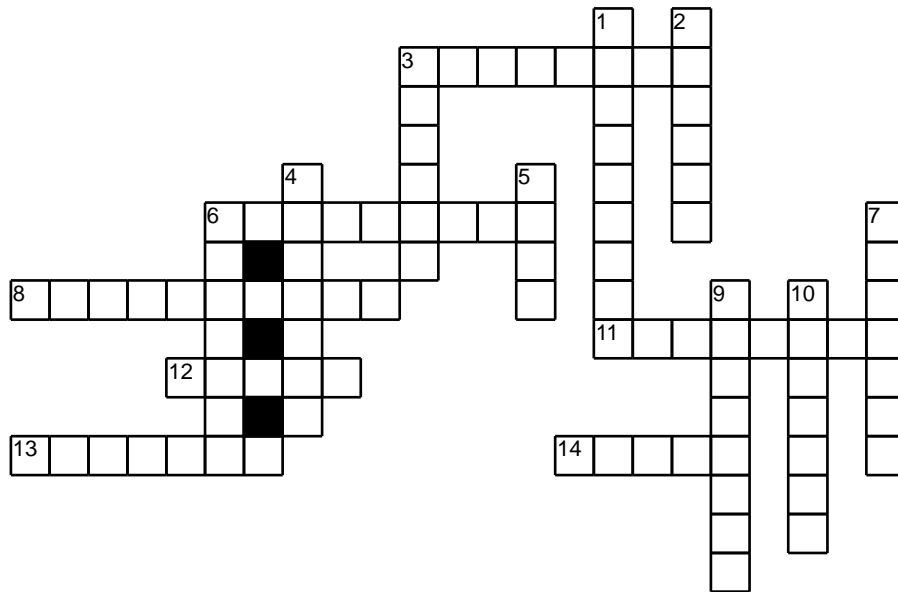


## Genetics

Complete the puzzle using the clues below.



### Across

3. The inherited genetic code of an organism for a specific trait .
6. An organism's inherited physical appearance.
8. A rod-shaped structure of tightly coiled DNA found in the cell nucleus of plants and animals.
11. A combination of atoms, and also the basic building-block of DNA and RNA. Each molecule has its own shape and attaches only to certain other molecules to form the DNA helix.
12. A winding shape, similar to a spiral; the DNA molecule has a double-helix shape, which is two helixes twisted around each other.
13. The process used to make genetically identical copies of an organism.
14. An organism's physical feature, determined by a gene.

### Down

1. Substance within the cell but outside the nucleus in which various cell parts are suspended.
2. All the genetic material in the chromosomes of a particular organism.
3. An organism's sex cell, which contains half the total number of chromosomes.
4. The division of the genetic information in reproductive cells, so that they have only half the normal number of chromosomes.
5. A section of a chromosome made up of DNA, the fundamental unit of heredity.
6. A chain of amino acids; examples include hormones, enzymes, and antibodies.
7. To receive a trait from an ancestor.
9. The scientific study of heredity.
10. The center of a cell, where all of the DNA, packaged in chromosomes, is contained.