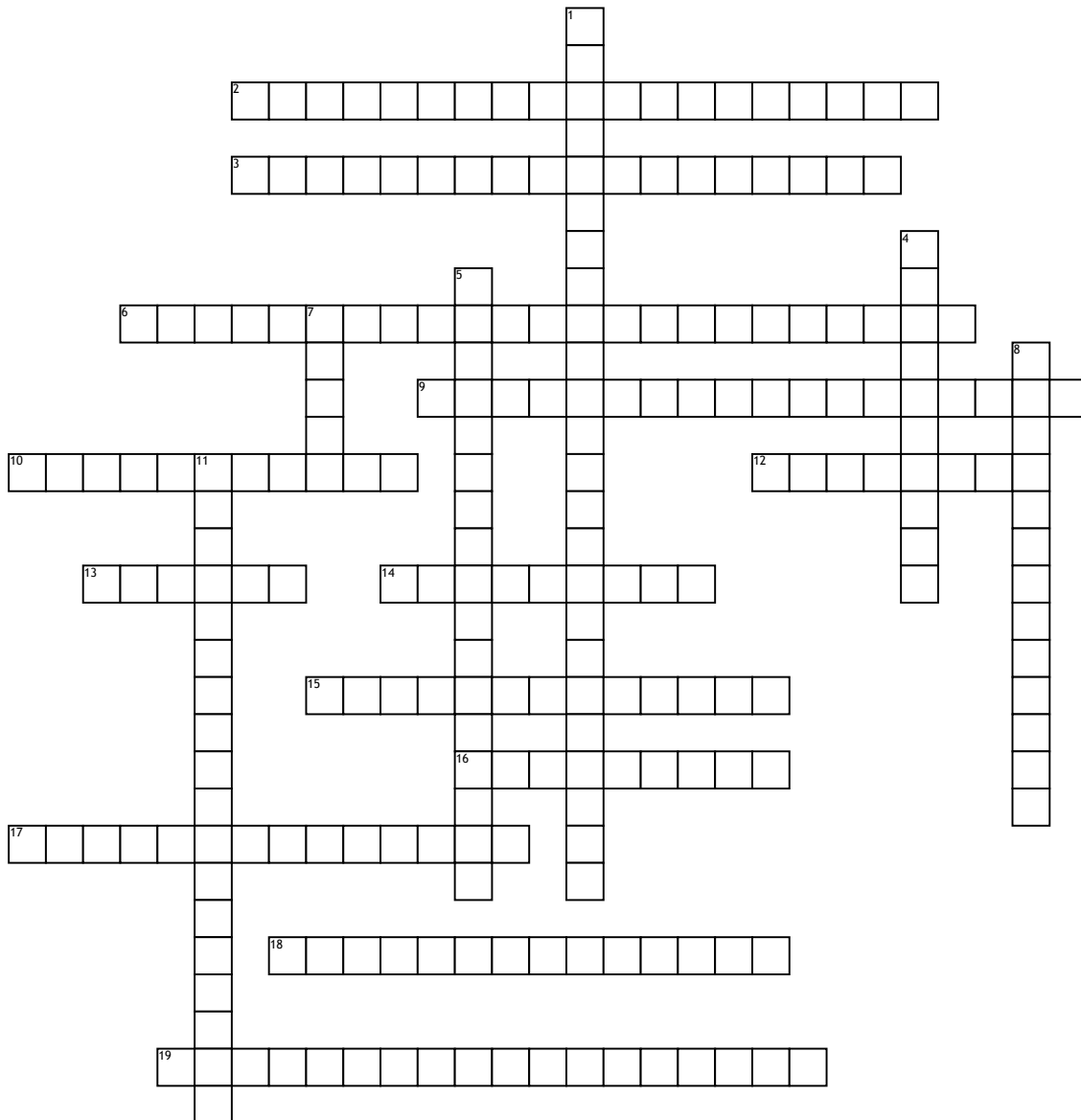


# Genetic Engineering



## Across

2. plants, animals, and bacteria that contain functional recombinant dna
3. sequencing the entire human genome, includes 30,000 genes that make up humans
6. making millions of copies of dna
9. cutting out part of the DNA in one organism an inserting it into a host, or other organism
10. a unique technology that enables geneticists and medical researchers to edit parts of the genome by removing, adding or altering sections of the DNA sequence
12. small ring of dna found in bacteria:carries different genes

13. a means by which foreign dna can be transferred into a host

14. unspecialized cells that retain the ability to become a wide variety of specialized cells

15. using genetic knowledge to solve problems

16. the enzyme that joins the two dna fragments chemically

17. scientists use gel electrophoresis to sort DNA fragments by size to identify suspects, victims, etc.

18. a field of study that involves creating and maintaining databases of biological information

19. the process of using electricity in a gel to separate different sized fragments of dna

## Down

1. new dna formed by connecting or recombine fragments of dna from different sources

4. the study and cataloging of the structure and function of proteins in the human body

5. choosing parents with the most desirable traits so those traits will show up in the next generation

7. this paper is \_\_\_\_\_ credit

8. technology to find the order of nucleotides

11. bacterial proteins that have the ability to cut both strands of the DNA molecule at certain points