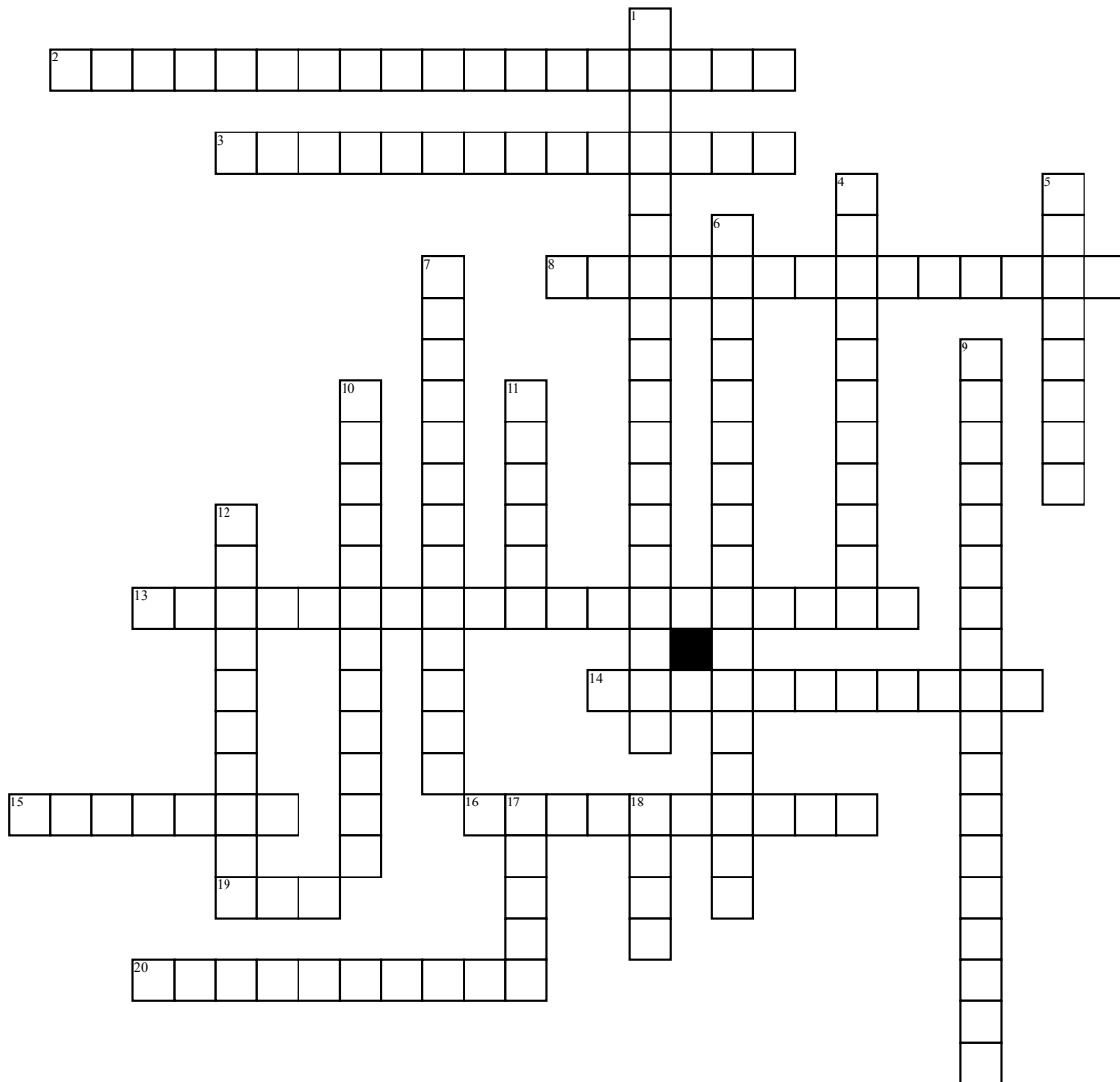


Terminology of Biotechnology



Across

2. Used to separate DNA using an electrical current
 3. The application of computational methods to the storage and analysis of biological data
 8. DNA from two different sources, often different species
 13. Consists of tiny amounts of a large number of ssDNA fragments representing different genes
 14. Process of producing multiple copies of specific segments of DNA
 15. Small, circular extra-chromosomal loop of DNA found in prokaryotes
 16. Of, relating to, or denoting an organism that contains genetic material into which DNA from an unrelated organism has been artificially introduced

19. An organism that has acquired by artificial means one or more genes from another species
 20. Studying sets of proteins and their properties

Down

1. Used to cut strands of DNA at specific locations
 4. The introduction of genes into an afflicted individual for therapeutic purposes
 5. The study of whole sets of genes and their interactions
 6. An undifferentiated cell that can reproduce indefinitely and has the ability to differentiate into a specialized cell
 7. The manipulation of organisms or their components to make useful products

9. The direct manipulation of genes for practical purposes
 10. Used to amplify a particular piece of DNA
 11. Carries foreign DNA or a desired gene to a host cell, can be a plasmid or a virus
 12. A type of medical test that identifies changes in chromosomes, genes, or proteins
 17. Small differences in DNA sequences that can be detected by gel electrophoresis
 18. a variation in a single base pair in a DNA sequence; the most common type of genetic variation among people