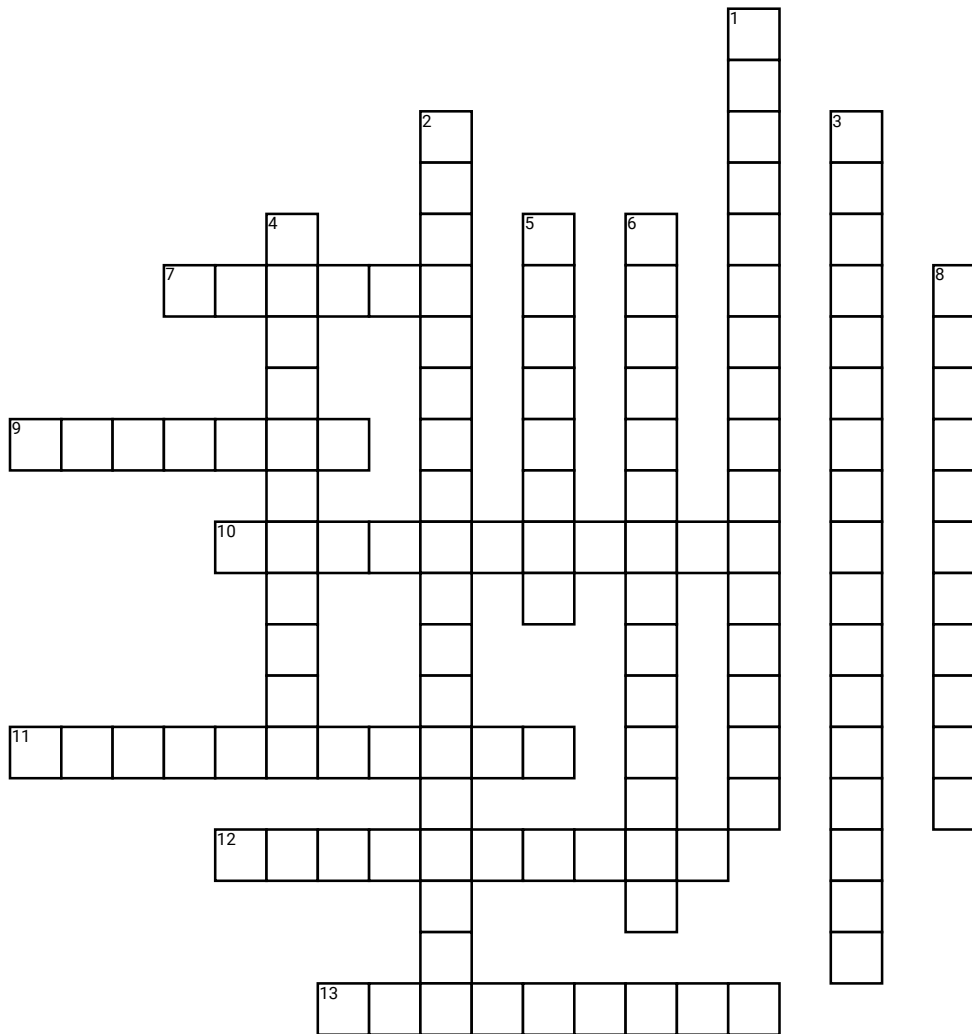


Genetics and Biotechnology Crossword



Across

- 7. The total DNA present in the nucleus of each cell
- 9. The process of creating identical cells
- 10. Proteins that protect bacteria from viruses are called _____ enzymes
- 11. The _____ project tried to map out all of the genes in the human genome

- 12. Two closely related organisms are bred to maintain desired traits
- 13. Use to determine an unknown genotype of an organism

Down

- 1. The study of how genetic inheritance affects the body's response to drugs
- 2. Process where an electric current is used to separate DNA fragments

- 3. The process by which desired traits are selected and passed on to future generations
- 4. Genetic _____ involves manipulating the DNA of one organism to insert DNA from another organism
- 5. The study of an organism's genome
- 6. New DNA formed from DNA from two different sources
- 8. A technique aimed at correcting mutated genes

Word Bank

- | | | | |
|------------------|--------------------|---------------------|--------------|
| cloning | engineering | test cross | inbreeding |
| genome | selective breeding | gel electrophoresis | gene therapy |
| recombinant DNA | restriction | human genome | genomics |
| pharmacogenomics | | | |