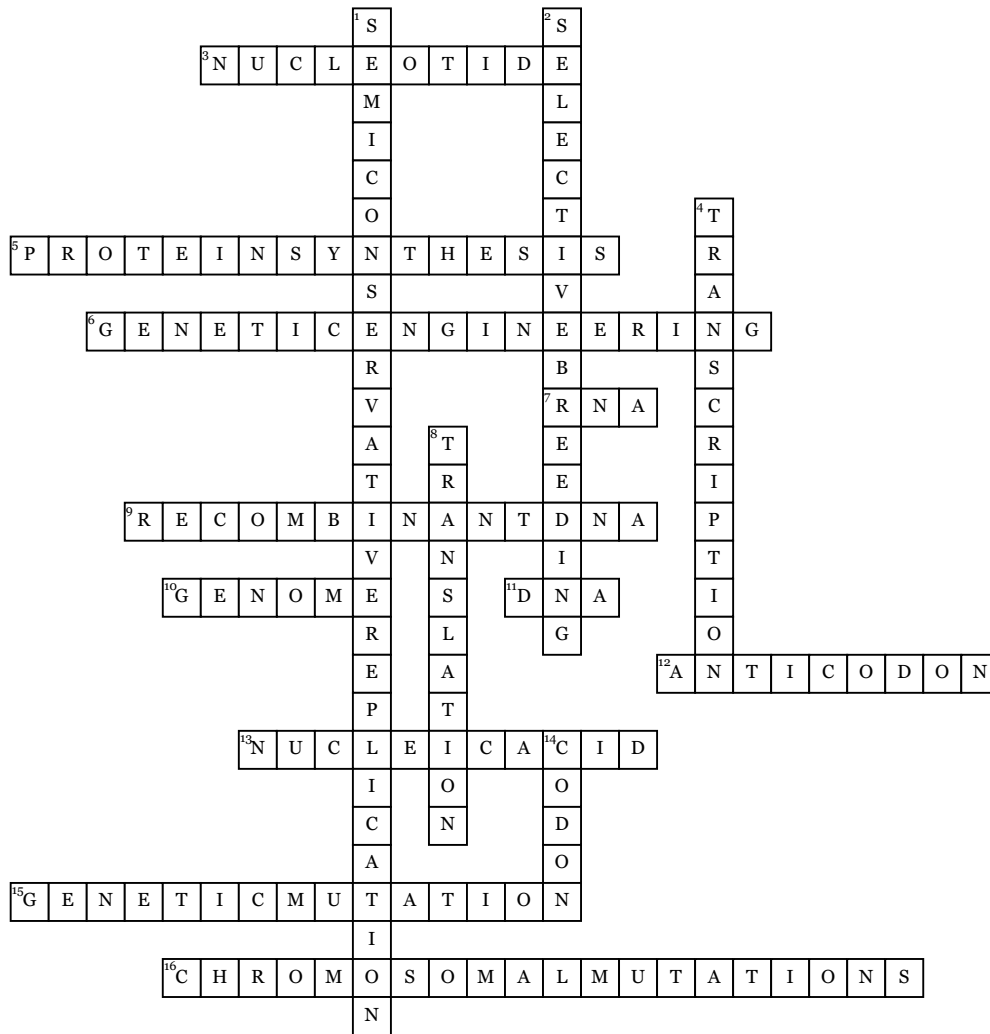


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# Molecular Genetics



## Across

3. Monomer of nucleic acids
5. The process of creating proteins using DNA and RNA
6. Modifying an organism's genes to change its characteristics
7. Ribonucleic acid
9. DNA in which some parts have been inserted either naturally or intentionally
10. An organism's complete set of DNA
11. Deoxyribonucleic acid

## Word Bank

RNA  
Semiconservative replication  
Translation  
Nucleic acid  
Nucleotide  
Genetic engineering

12. Three nucleotide bases that correspond with a codon of messenger RNA
  13. Macromolecule that stores and transmits genetic information
  15. A mutation that occurs on an organism's gene
  16. A mutation that occurs on an organism's chromosome
- Down**
1. DNA replication in which half one of the two strands is new and the other is the original

Genome  
Codon  
Protein synthesis  
Selective breeding  
Chromosomal Mutations

2. The mating of two organisms to produce specific characteristics that are seen as desirable
4. Process in which the nitrogen bases of a DNA strand are copied into messenger RNA
8. The process in which the information from the messenger RNA is copied and connected to form amino acids
14. Three nucleotide bases that together correspond with a specific amino acid

Transcription  
Genetic Mutation  
Anticodon  
Recombinant DNA  
DNA