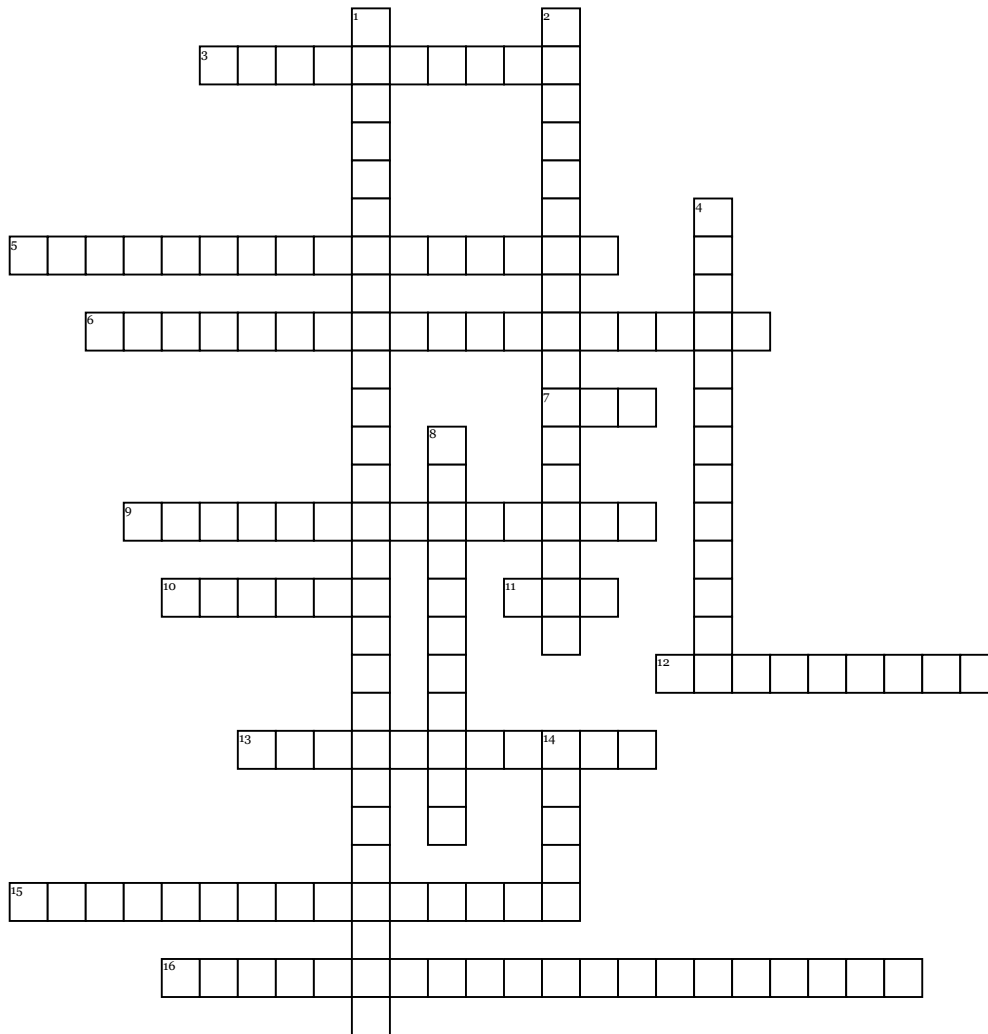


Name: _____

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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

Recombinant DNA
Anticodon
Semiconservative replication
Nucleotide
RNA
DNA

- 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

Chromosomal Mutations
Genetic engineering
Protein synthesis
Transcription
Genome

- 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

Translation
Nucleic acid
Codon
Selective breeding
Genetic Mutation