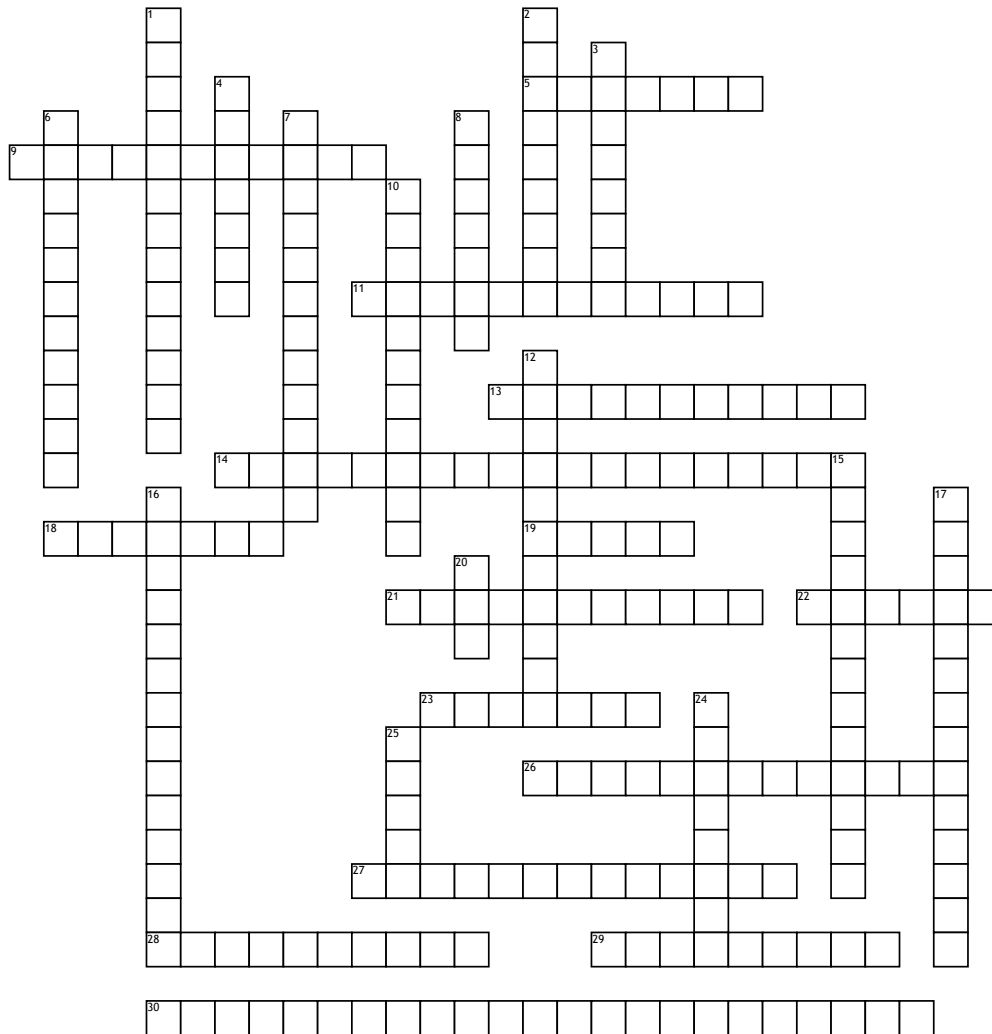


Bio Crossword



Across

- 5. A compound that is one of the four constituent bases of nucleic acids. A pyrimidine derivative, it is paired with adenine in double-stranded DNA
- 9. Is a step in protein biosynthesis wherein the genetic code carried by mRNA is decoded to produce the specific sequence of amino acids in a polypeptide chain
- 11. The form of RNA in which genetic information transcribed from DNA as a sequence of bases is transferred to a ribosome
- 13. A sugar derived from ribose by replacing a hydroxyl group with hydrogen
- 14. Containing genetic material that has been artificially altered so as to produce a desired characteristic
- 18. A compound that is one of the four constituent bases of nucleic acids
- 19. An organism or cell, or group of organisms or cells, produced asexually from one ancestor or stock, to which they are genetically identical
- 21. The transplantation of normal genes into cells in place of missing or defective ones in order to correct genetic disorders
- 22. An enzyme that brings about ligation of DNA or another substance

- 23. A compound that occurs in guano and fish scales, and is one of the four constituent bases of nucleic acids
 - 26. An enzyme that catalyzes the synthesis of an RNA strand from a DNA template
 - 27. Is a type of enzyme that is responsible for forming new copies of DNA, in the form of nucleic acid molecules
 - 28. Relating to or denoting an organism that contains genetic material into which DNA from an unrelated organism has been artificially introduced
 - 29. Scientific tests or techniques used in connection with the detection of crime
 - 30. Is a laboratory technique used to make multiple copies of a segment of DNA
- Down**
- 1. Is the process by which the information in a strand of DNA is copied into a new molecule of messenger RNA
 - 2. corresponding to a complementary codon in messenger RNA
 - 3. A compound found in living tissue as a constituent base of nucleic acids. It is paired with guanine in double-stranded DNA
 - 4. A genetic structure in a cell that can replicate independently of the chromosomes, typically a small circular DNA strand in the cytoplasm of a bacterium or protozoan

- 6. RNA consisting of folded molecules that transport amino acids from the cytoplasm of a cell to a ribosome
- 7. A molecular component of a ribosome, the cell's essential protein factory
- 8. Is an enzyme that synthesizes short RNA sequences called primers
- 10. Any of the pairs of the hydrogen-bonded purine and pyrimidine bases that form the links between the sugar-phosphate backbones of nucleic acid molecules
- 12. The action of copying or reproducing something
- 15. Is a collection of microscopic DNA spots attached to a solid surface
- 16. The analysis of DNA from samples of body tissues or fluids, especially when conducted in order to identify individuals
- 17. A phosphorus atom bound to four oxygen atoms
- 20. Ribonucleic acid, a nucleic acid present in all living cells
- 24. Are enzymes that bind and may even remodel nucleic acid or nucleic acid protein complexes
- 25. A set of three adjacent nucleotides

Word Bank

Guanine	Gene Therapy	RNA Polymerase	Anticodon	Plasmid
Cytosine	Codon	Phosphate Group	DNA Polymerase	Transgenic
Deoxyribose	Primase	Transfer RNA	Ligase	Messenger RNA
Thymine	Forensics	DNA Microarray	Replication	Clone
DNA Fingerprint	Helicase	Transcription	RNA	Translation
Ribosomal RNA	Genetically Modified	Adenine	Polymerase Chain Reaction	Base Pairing