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DNA/RNA Word Search

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| **Across**  **6.** The molecular unit of heredity  **8.** a nucleid acid present in all living cell.  **10.** The monomer for Protein  **11.** where does the mRNA travel to  **13.** A codon that stops the synthesis of a protein molecule.  **14.** Organelle that produces proteins  **15.** The process follows transcription in which the DNA sequence is copied  **18.** An enzyme that synthesizes the formation of RNA from a DNA template during transcription.  **19.** A significant and basic change  **20.** Made up of adenine, thymine, guanine, and cytosine | **Down**  **1.** Bonding of a large number of amino acids forming a chain  **2.** Process of producing two identical replicas of DNA  **3.** Type of base that allows cells to copy information from one generation to another  **4.** Process in which the DNA is copied into RNA by polymerase  **5.** A sequence of three nucleotides in a region of transfer RNA that recognizes a complementary coding triplet of nucleotides in messenger RNA during translation by the ribosomes in protein biosynthesis.  **7.** Essential for protein synthesis in all living organisms  **9.** A type of mutation that causes a single nucleotide base substitution, insertion, or deletion of the genetic material, DNA or RNA.  **12.** the shape of DNA.  **16.** Physical link between the mRNA and the amino acids sequence of proteins  **17.** A codon that starts the synthesis of protein molecule. |

   RNA        double helix       ribose       Translation        Ribosome       Gene       DNA Replication       rRNA       Mutation        Amino acid       Nitrogenous base       Transcription       tRNA       Polypetide       Complementary        Point Mutation       Anticodon       Start Codon       Stop Codon       RNA Polymerase