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DNA and RNA

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| **Across**  **2.** A type of RNA that carries copies of instructions for the assembly of amino acids into proteins from DNA to all cell part.  **4.** The cell uses information from mRNA to make proteins during \_\_\_\_\_\_\_\_\_\_\_\_\_ .  **5.** Each three base set of genetic code.  **10.** A group of three bases of tRNA molecule that are complementary to the three bases of condon of mRNA.  **11.** A chemical or physical agent in the environment that interacts with DNA and may cause mutation.  **14.** The tips of chromosomes.  **15.** A singled-stranded nucleic acid that contains the sugar ribose.  **16.** A condition in which an organism has extra set of chromosome.  **18.** A cell that contains only one set of genes.  **19.** The synthesis of an RNA molecule from a DNA template , or pattern.  **20.** A cell that contains two sets of homologous chromosomes. | **Down**  **1.** The language for naming RNA.  **3.** A long chains of amino acids that make proteins  **6.** The process in which one stain of bacteria is change by a gene or genes from another bacteria.  **7.** An enzyme that joins individual nucleotides to produce a new strand of DNA.  **8.** Chromosomes in which one set comes from male parent and another set comes from female parent  **9.** A change in the genetic material of cell  **12.** The process of copying DNA from DNA.  **13.** A type of RNA that carries each amino acid to form ribosomes.  **17.** A kind of virus that infects bacteria cell. |