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Chapter 10 Structure and Function of DNA

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| **Across**  **1.** when RNA polymerase reaches the \_\_\_\_\_\_, transcription stops  **3.** enzyme responsible for initiation of transcription: RNA \_\_\_\_  **4.** the start codon  **10.** modifications to mRNA include adding a cap and \_\_\_\_  **13.** location on the ribosome where the initiator tRNA binds  **15.** single stranded nucleotide  **16.** coding regions of RNA that are expressed  **17.** transfer of genetic information from DNA into RNA  **18.** used x-ray diffraction to determine structure of DNA  **19.** special triplet code found on tRNA | **Down**  **2.** monomers of nucleic acids  **5.** during translation, elongation continues until a \_\_\_\_ reaches the ribosome's A site  **6.** shape of DNA molecule  **7.** 64 \_\_\_\_\_ correspond to 20 different amino acids  **8.** production of polypeptide from mRNA  **9.** The 'start transcribing' nucleotide sequence in transcription  **11.** regions of RNA that are non-coding  **12.** ACU in mRNA codes for which amino acid  **14.** base pair with adenine in RNA |