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| occurs in nucleus | DNA 🡪 RNA |
| DNA molecule unzips to reveal the section coding for the protein needed. | tRNA molecules bring specific amino acids to the ribosome. |
| mRNA separates from the DNA molecule | amino acids join together to form the beginning of the new protein |
| mRNA molecule forms along the unzipped section of the DNA molecule | occurs in the cytoplasm at the ribosome |
| final product is RNA | final product is amino acid chain |