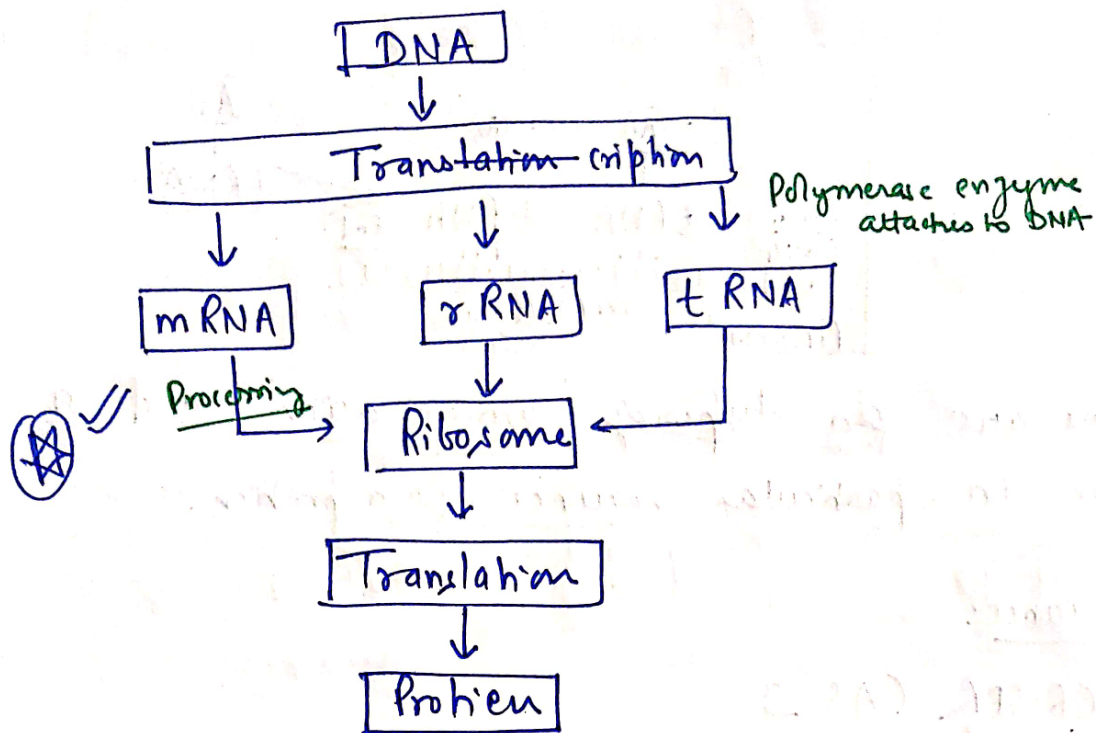


Protein synthesis



The process by which genetic information in mRNA molecule is converted into protein with specific amino acid sequence taking help of tRNA molecules is known as translation or protein synthesis.

Process:

Within nucleus

① Transcription: Polymerase enzyme attaches to gene and moves along it making mRNA strands.

② Processing: mRNA before being used as a template is processed by adding or deleting sections of RNA ✓

③ Translation: mRNA → ribosome → tRNA reads codon in sets of 3 and puts amino acids in sequence
 last anti-codon ←