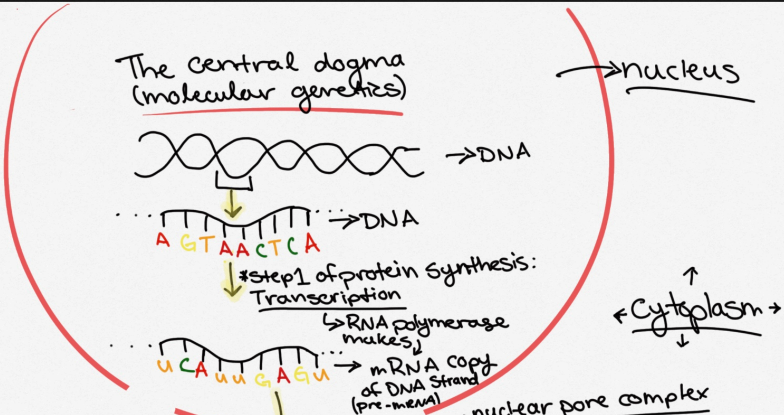
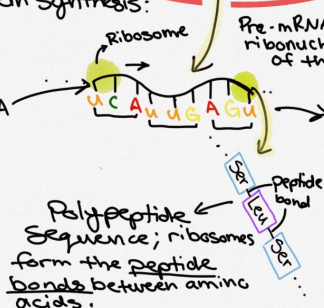
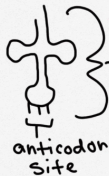


# The central dogma (molecular genetics)



## \*Step 2 of protein synthesis:

### Translation



Pre-mRNA is converted to mRNP (messenger ribonucleoprotein) and are transported out of the cell through nuclear pore complexes.

Codon triplets on the mRNA template are translated into amino acids. tRNA carry the anticodons that are complementary to the mRNA template. Ribosomes move across the mRNA template, carrying tRNA and building the polypeptide sequence.