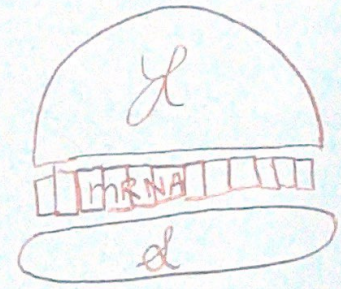


Protein Synthesis:

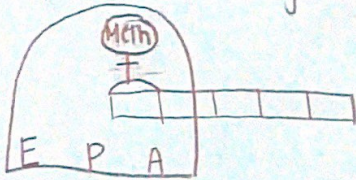
Translation:

1. Initiation: ribosome looking for a start codon



2. Elongation:

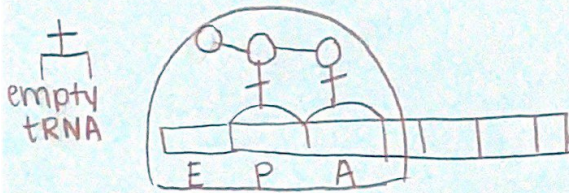
A: codon recognition: start in A site



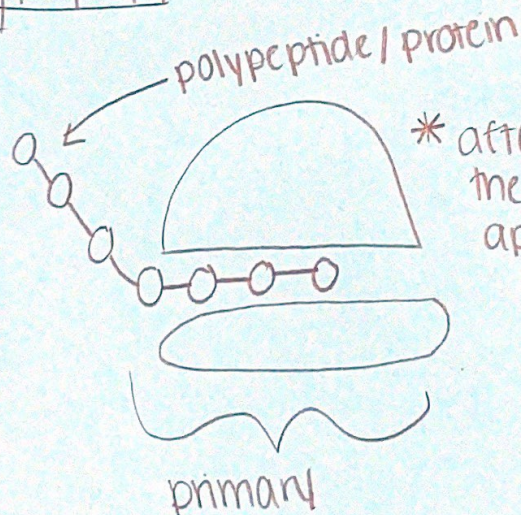
B: Peptide Bond Formation



C: translocation



3. Termination



* after termination
the ribosome breaks
apart *

Protein Synthesis :

Transcription : all happening in the nucleus

Pre-transcription :

- loosen histones : histones are what bind DNA together
- binding to a promoter region
- RNA polymerase : looks for a promoter region

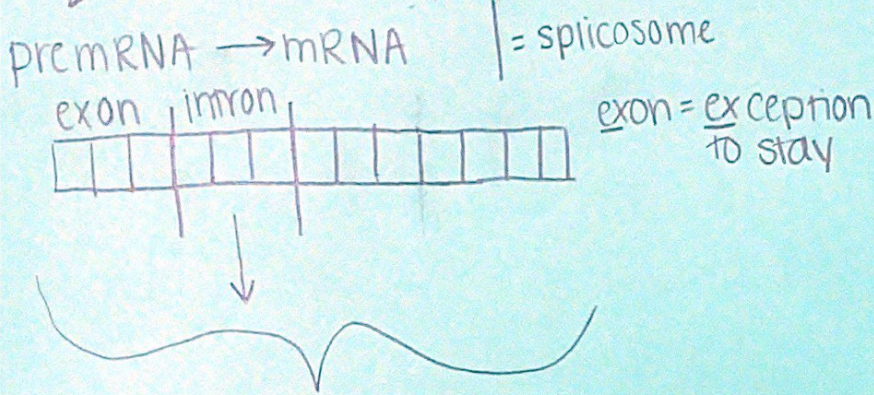
pre-mRNA

1. Initiation : allows sequence to be read

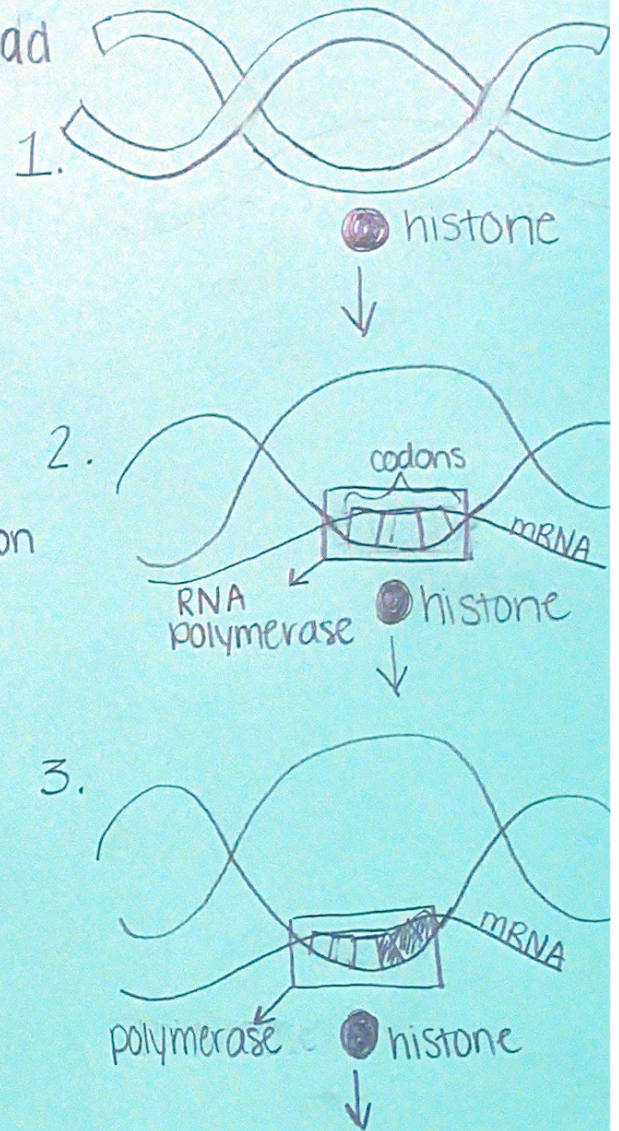
2. elongation : changing T → U

3. termination :

STOP



after termination :
happening going into translation

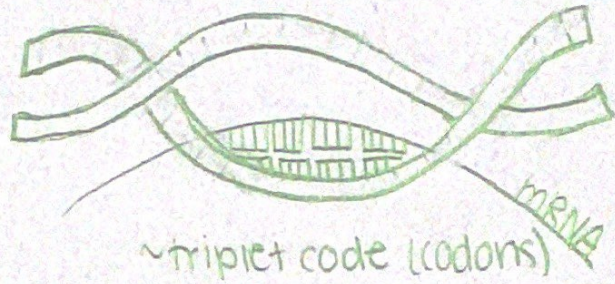


Types of RNA:

mRNA:

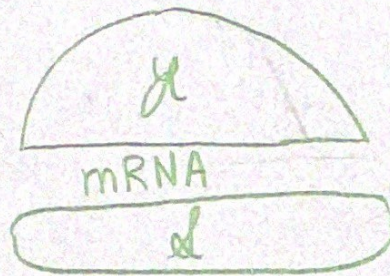
messenger

nucleus → ribosomes



rRNA

ribosomal



tRNA

transfer

