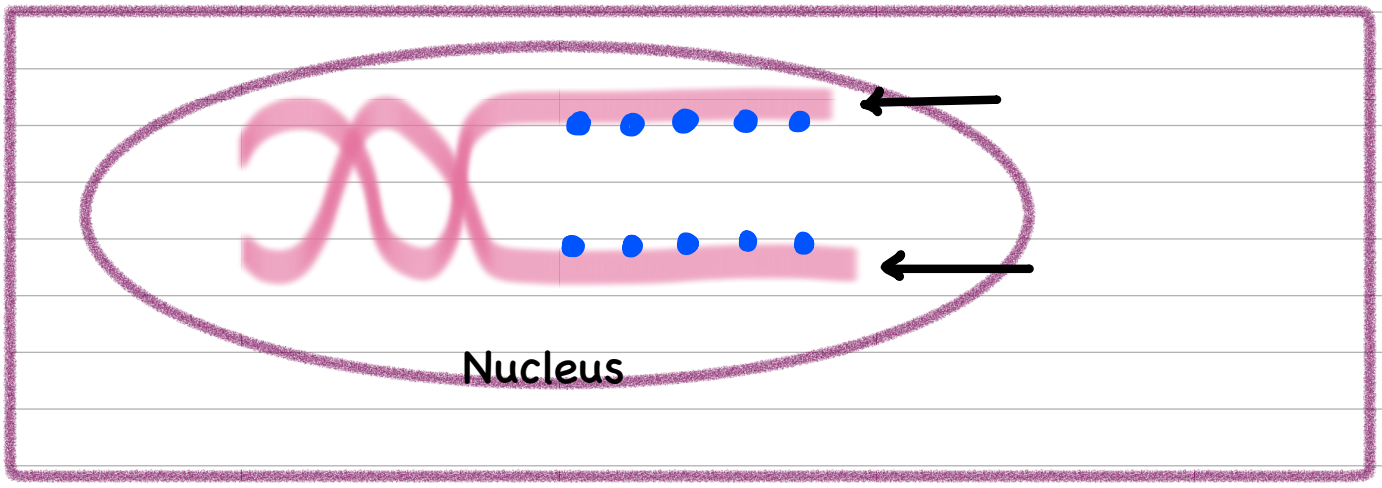
Chapter 28
Transcription

Pairing

DNA. ----- DNA	
A	—
T	—
G	—
C	—

DNA -----RNA	
A	—
T	—
G	—
C	—



DNA Strand on which RNA is made - ……

opposite to template strand - ……

Q - in a DNA - sequance on template strand is 5 CGTT 3 .
What will be the sequance of RNA ?

a) 5 CGTT 3
b) 5 GCAA 3
c) 5 AACG 3
D) none

Q - in a DNA - sequance on coding strand is 5 CGTT 3 .
What will be the sequance of RNA ?

a) 5 CGTT 3
b) 5 GCAA 3
c) 5 AACG 3
D) none



Enzyme of transcription

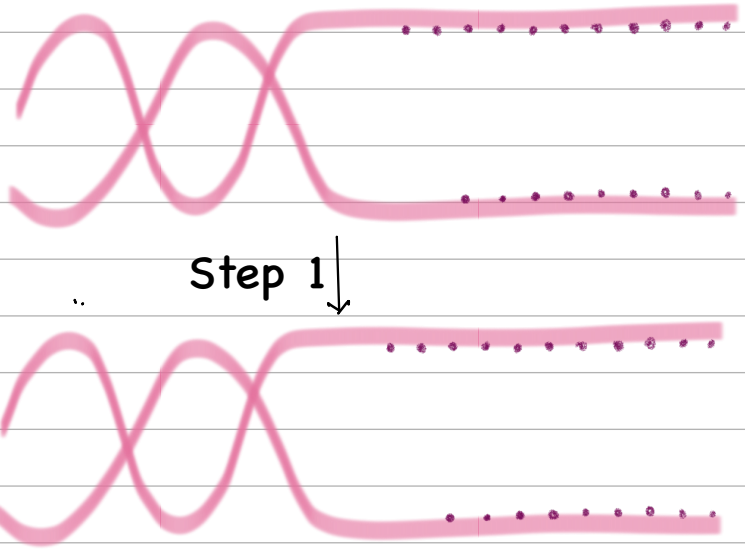
💉Clinical co-relation

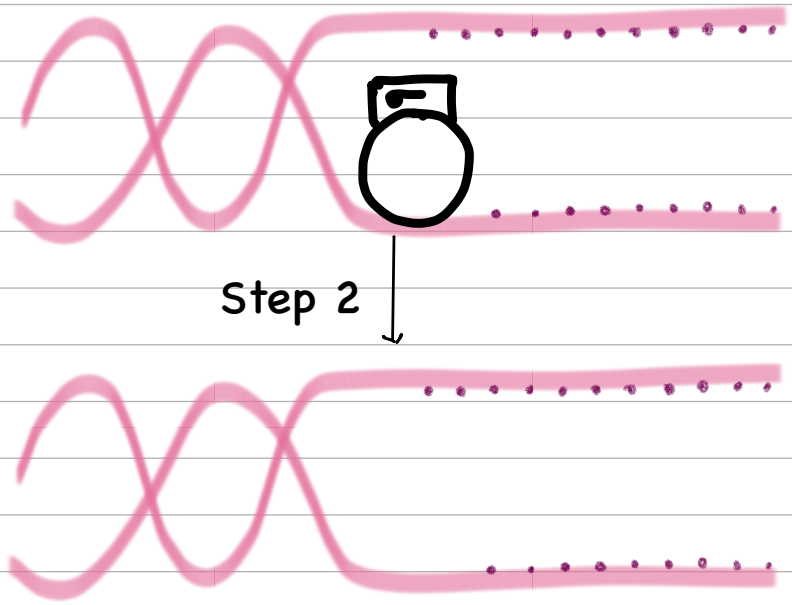


Mushroom poisioning

Stage of transcription

Place -



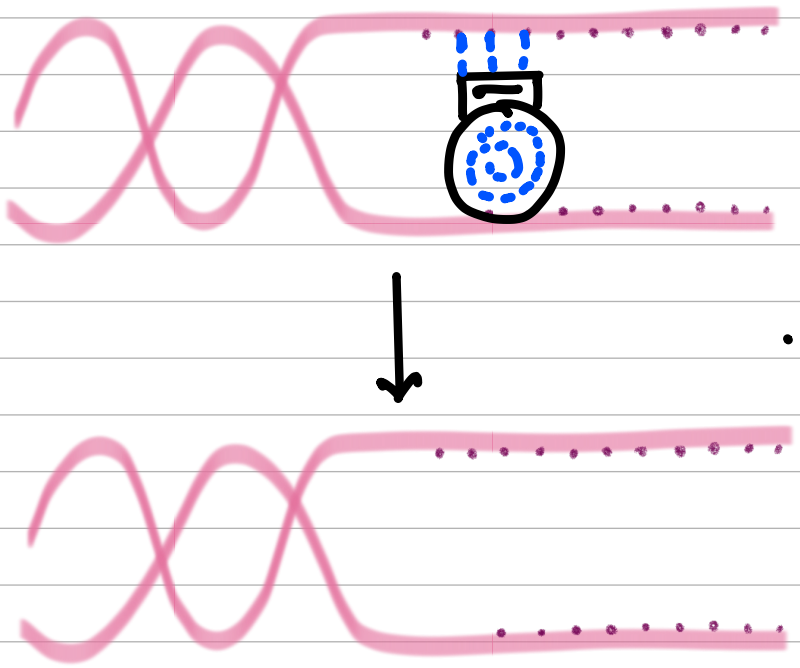


Promotor region - definition

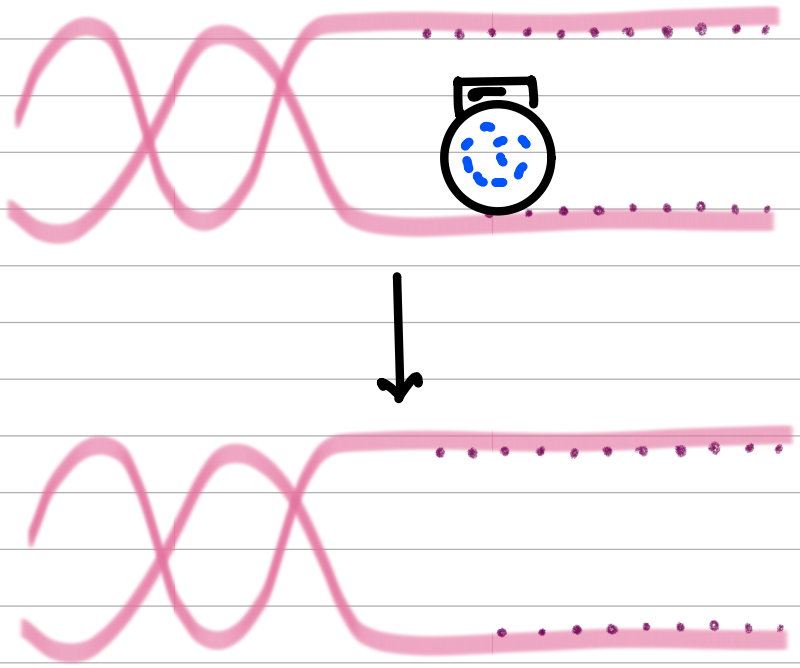
eg - prokaryote -

- eukaryote -

Step 3



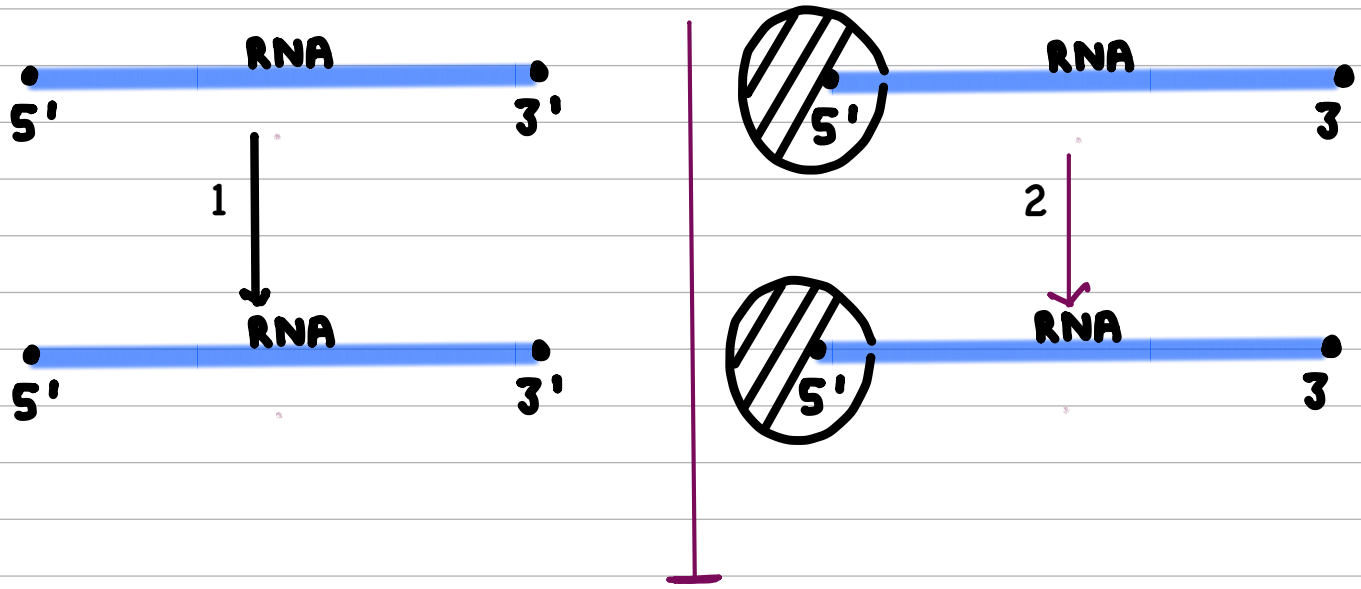
Step 4

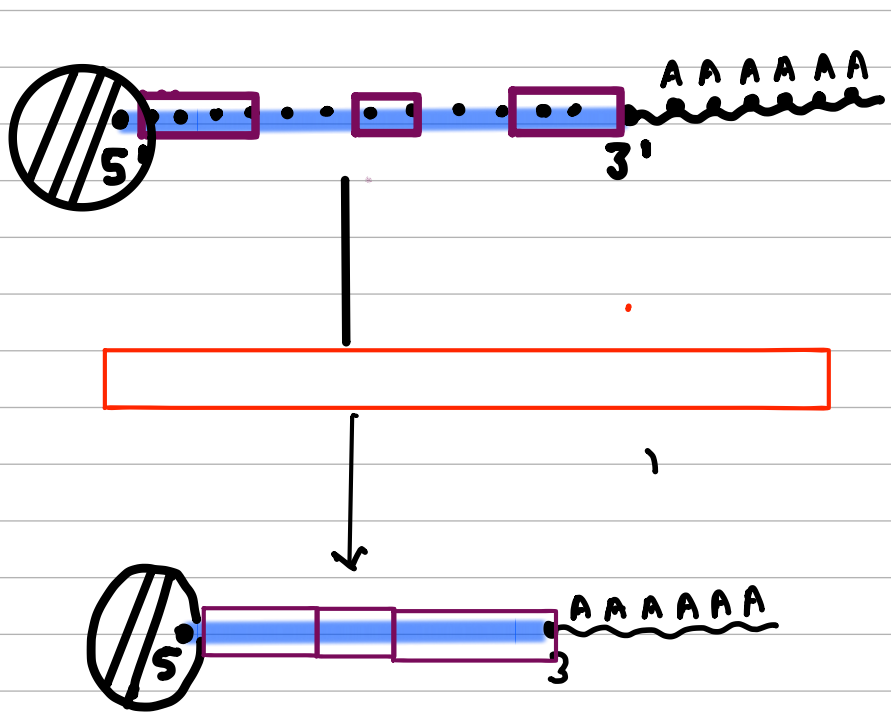


RNA which is synthesized in …… , is unable to survive in …… so before sending the RNA to cytoplasm some modification are done in nucleus - called as ……

Post transcription modification

Place -





Useless info.-

Useful info.-

Biggest RNA

Most common RNA

smallest RNA

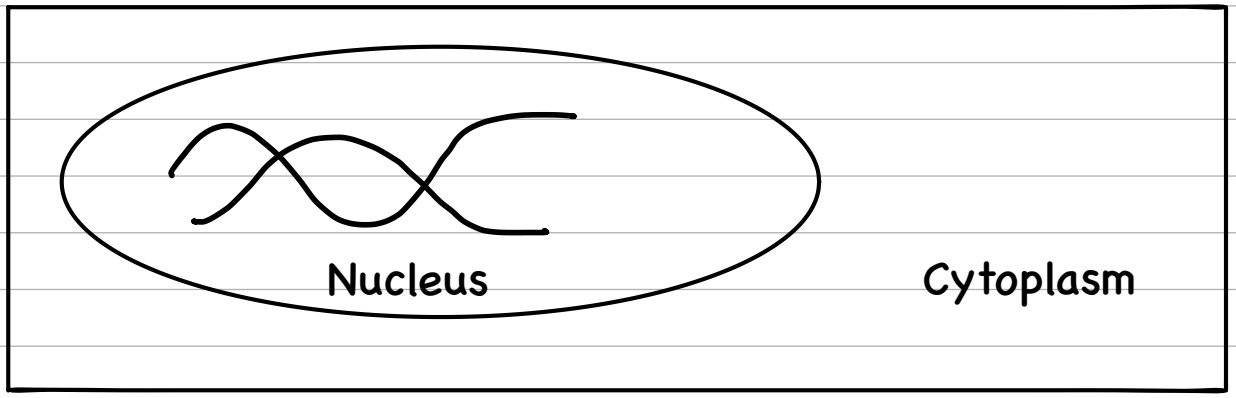
r- RNA

t-RNA

m-RNA

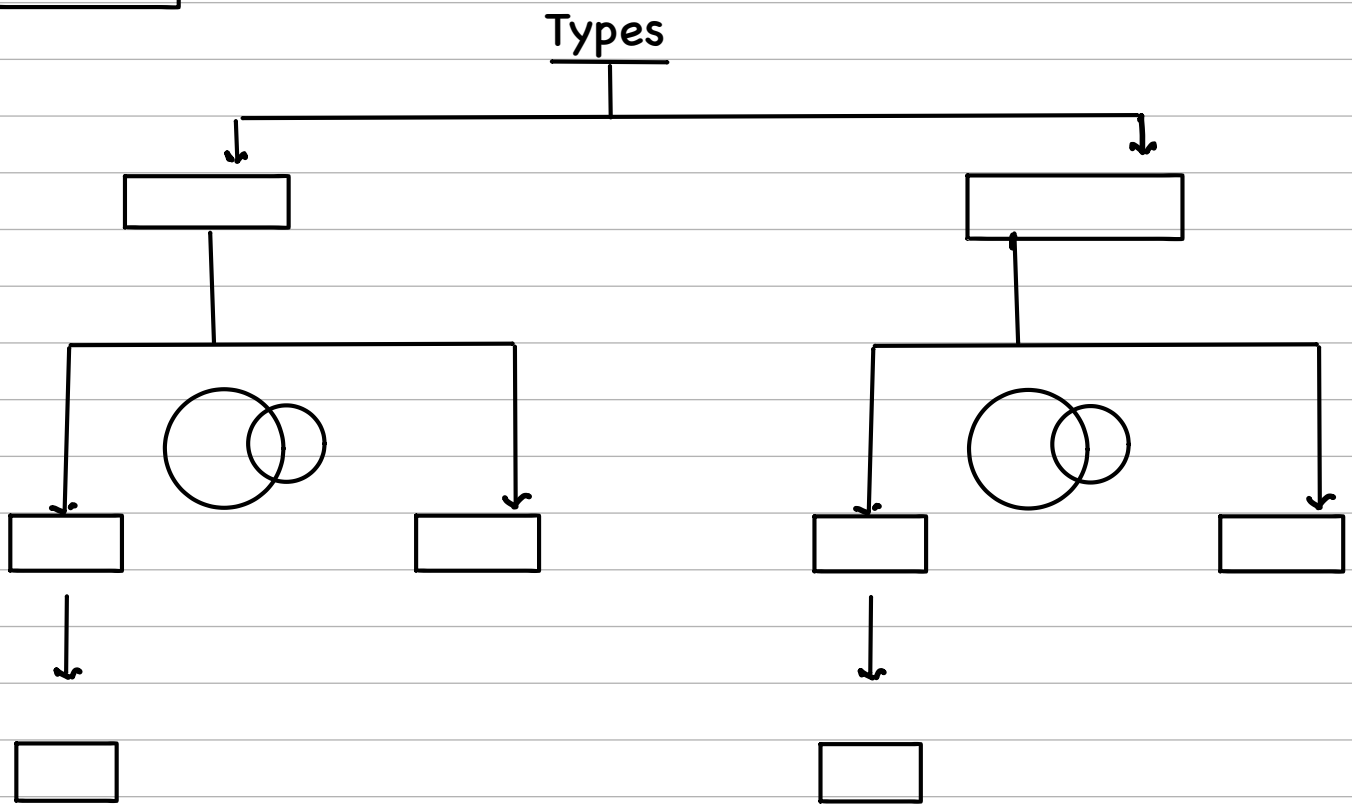
...RNA is so small , that it is soluble in cytoplasm so called as-

m-RNA



- Takes the ……message from ……to ……
- Most -……

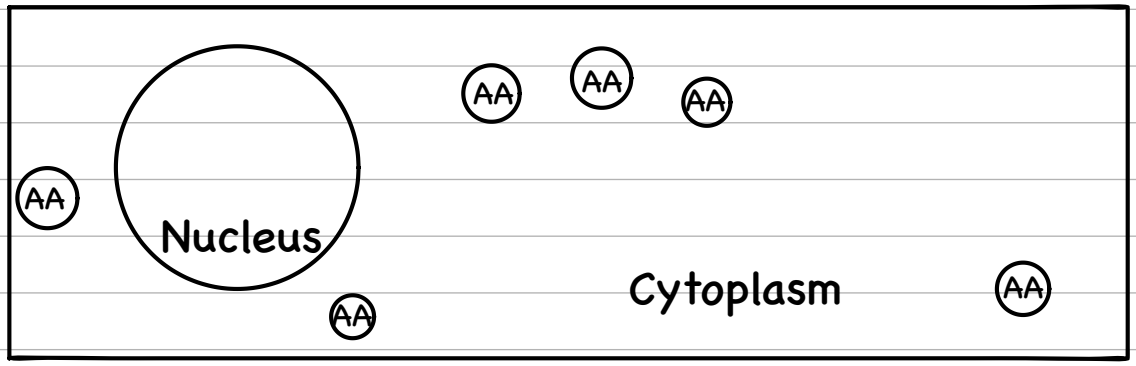
r-RNA



23s & 28 s can work as -

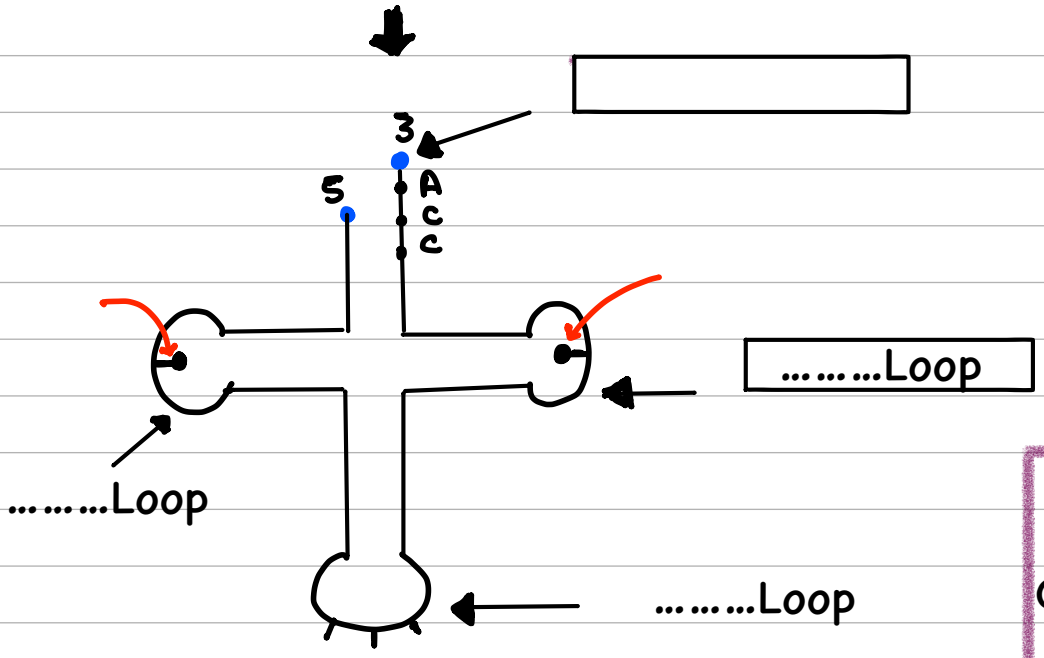
t-RNA

Function -



Structure of t-RNA





Methionine AA

Codon -

Anticodon-

☆ Anticodon- ……nucleotide sequance which is complementory to …… of AA.

☆ Specific AA attaches at - ……end so c/a - ……end

☆ Attachment of AA to t-RNA called as -

☆ Loading/charging of t-RNA is regulated by -

☆ Maximmum modified N-base is found in - ……RNA.