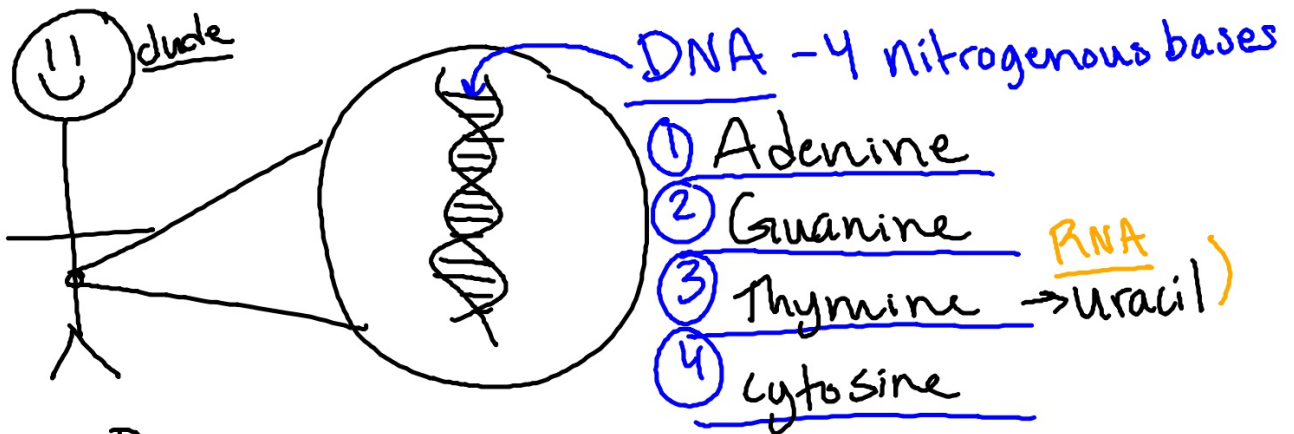


DNA → RNA → Proteins



Base pairing rules

A-T, T-A, G-C, C-G.
(u)

Transcription - DNA \rightarrow RNA
- Occurs in nucleus.

DNA - Carries instructions to build protein.
• hemoglobin - holds O_2 in blood.

- RNA polymerase transcribes DNA to RNA.

Translation

- RNA → Protein.

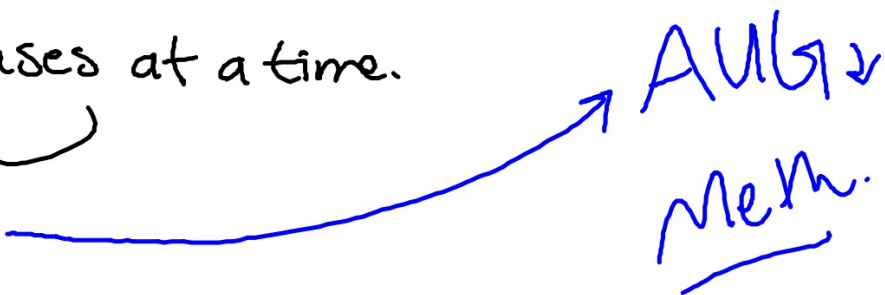
- occurs in Cytoplasm !
- on ribosomes.

RNA is read by ribosome (r-RNA)

3 Bases at a time.



Codons



AUG →
Meth.

3 types of RNA

Messenger RNA (m-RNA) → Copy of DNA, provides instructions to build proteins

Transfer RNA (t-RNA) → brings amino acids to ribosome.

Ribosomal RNA (r-RNA) → makes up ribosomes

