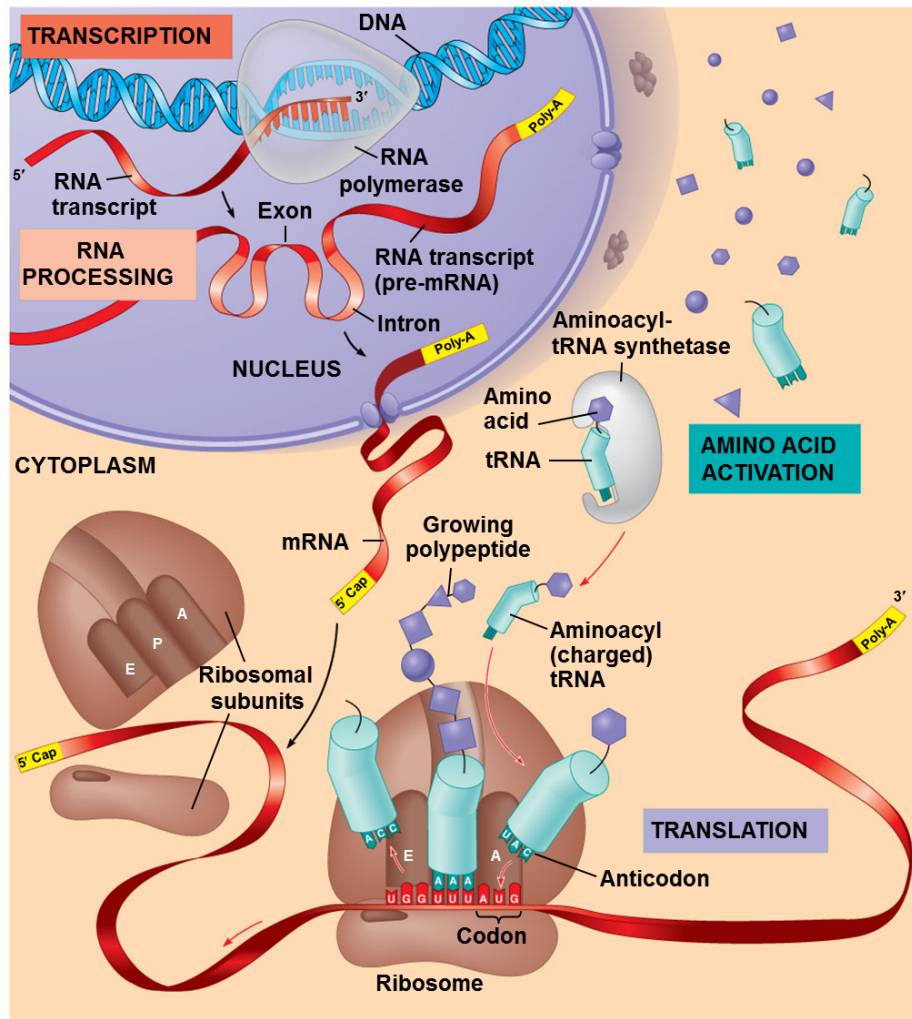


The Central Dogma Reviewed – V2



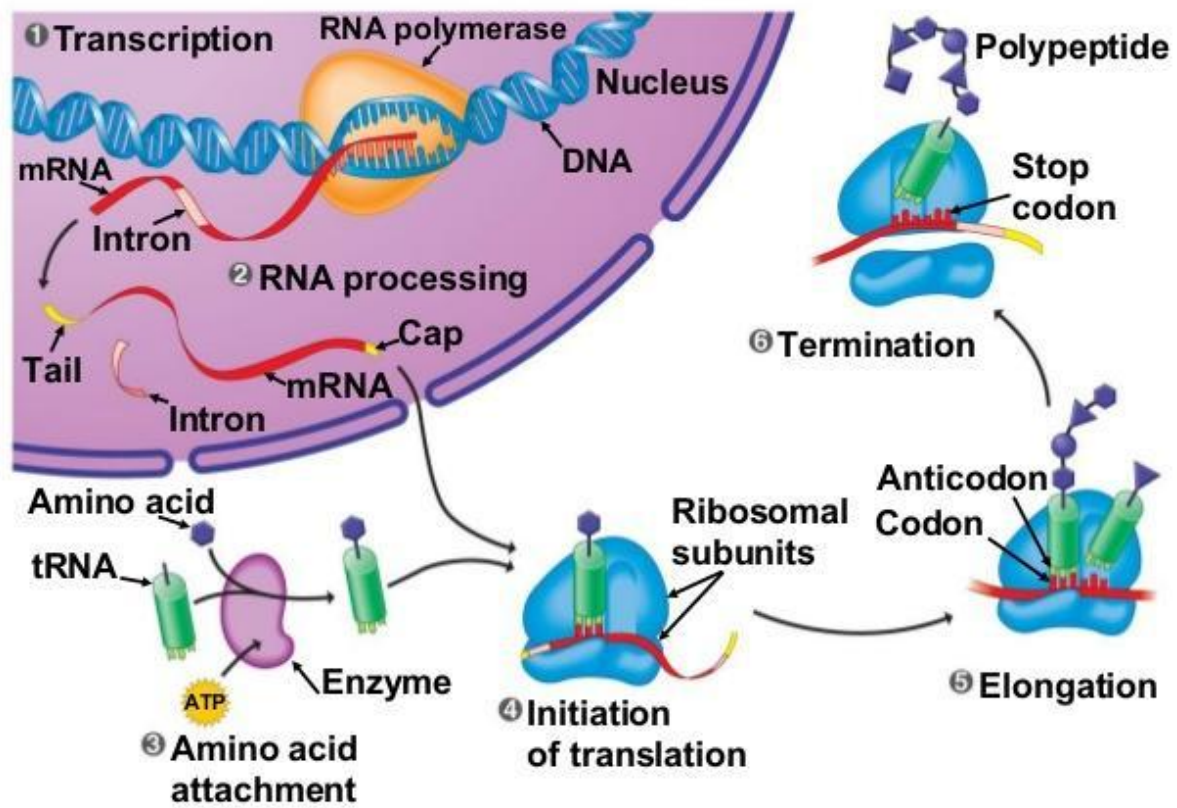
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http://bio1151.nicerweb.com/Locked/media/ch17/17_25GeneExpressSummary-L.jpg

Analyse this diagram. You must look at an online colour copy of the diagram.

1. Name the blue area. [1] **NUCLEUS**
2. Name the process that occurs here. [1] **TRANSCRIPTION (DNA TO mRNA)**
3. What molecules are required for this process? [3] **DNA, RNA NUCLEOTIDES, RNA POLYMERASE**
4. What leaves the blue area and how? [2] **THE mRNA LEAVES THE NUCLEUS BY A NUCLEAR PORE**
5. Name the beige area. [1] **CYTOPLASM**
6. Name the process that occurs here. [1] **TRANSLATION (OF mRNA TO POLYPEPTIDE CHAIN)**
7. What molecules or structures are involved? [5]
mRNA, RIBOSOME, AMINOACYL tRNA SYNTHETASE, AMINO ACIDS, tRNA,

Other pictures – extras just ignore



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Figure 10.20-6

- A summary of transcription and translation in a eukaryotic cell

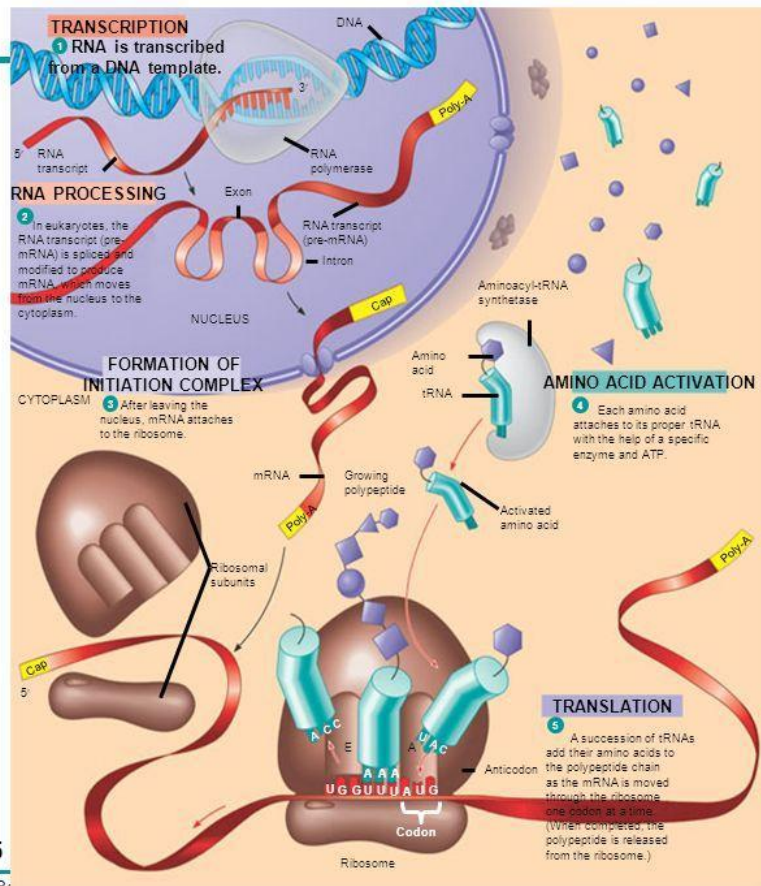


Figure 17.25

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