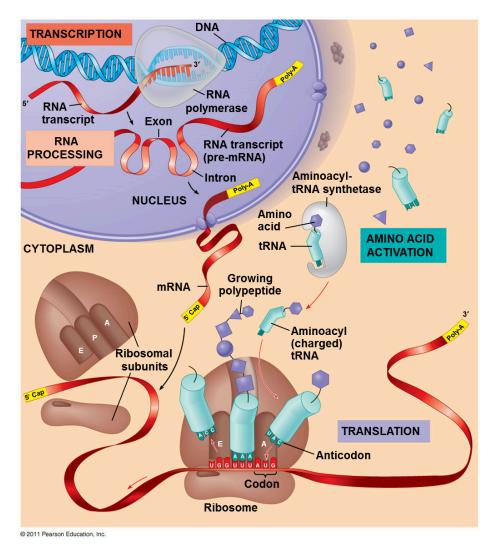
## The Central Dogma Reviewed – V2



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,

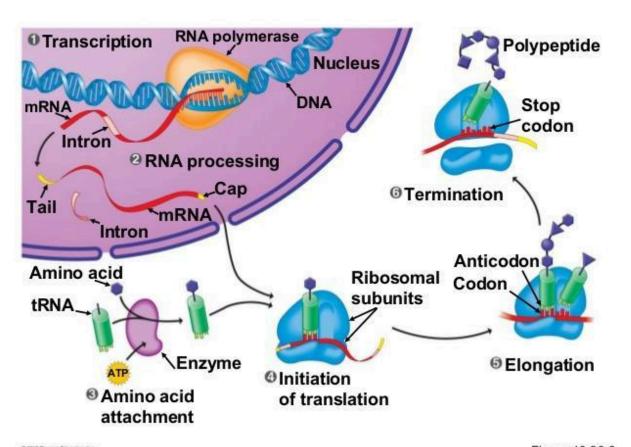
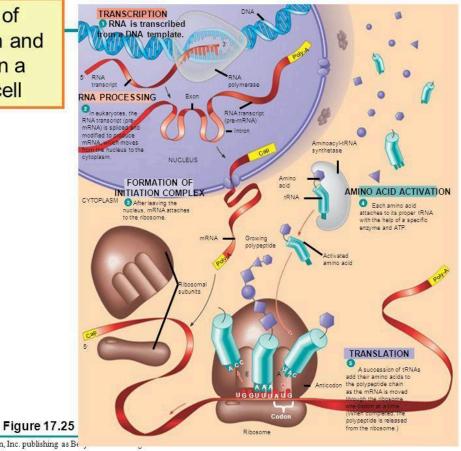


Figure 10.20-6

 A summary of transcription and translation in a eukaryotic cell



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