

# Protein Synthesis

mRNA - messenger RNA

tRNA - transfer RNA

RNA - Ribonucleic Acid

transcription - transcribing - coding of DNA to make mRNA

- no Thymine - replaced by Uracil

- "Unicorns eat apples"

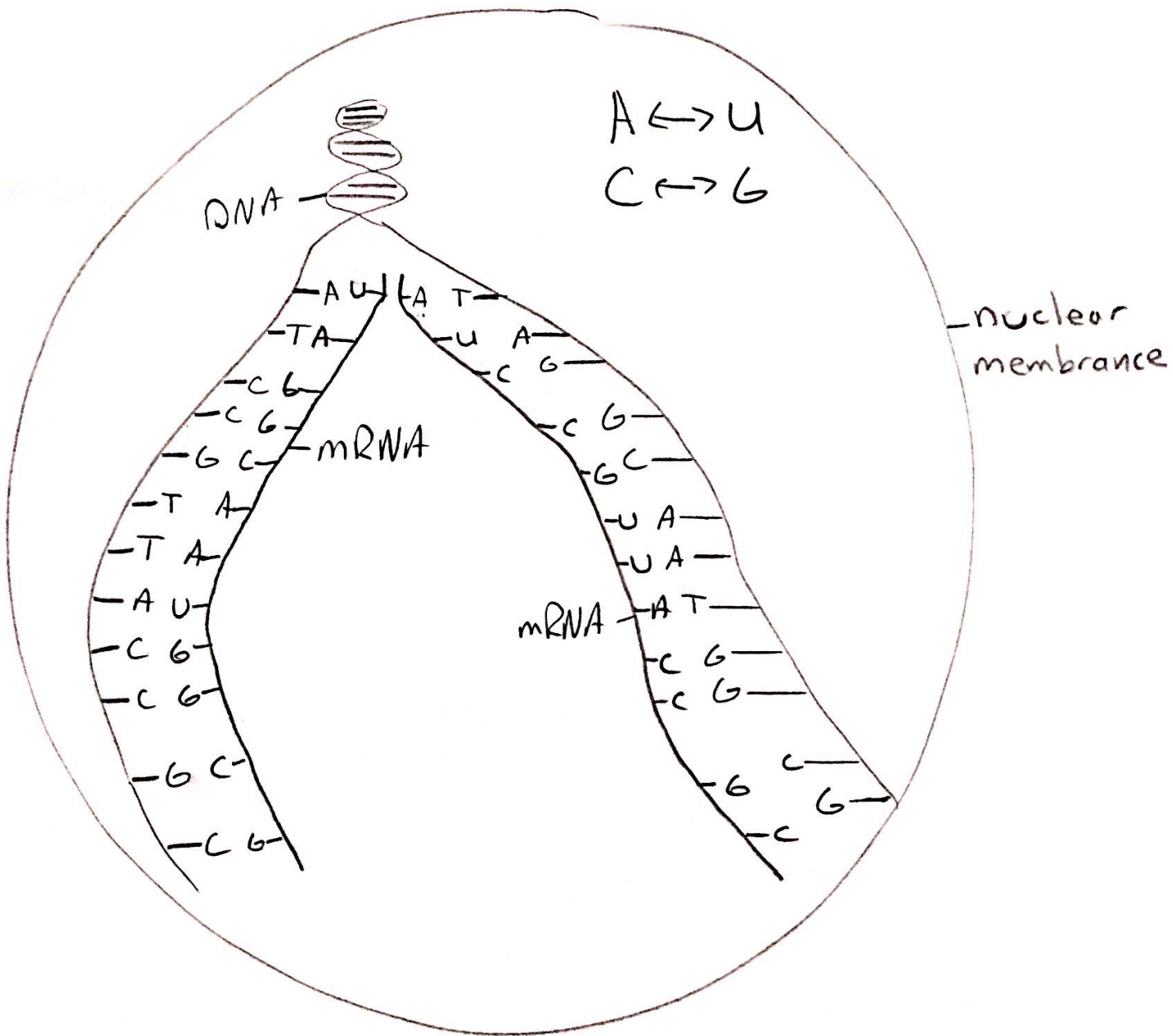
- $A \leftrightarrow U$   $C \leftrightarrow G$

translation - tRNA reading the mRNA and "translating" that into the correct chain of amino acids

Codon - set of 3 nucleic bases on the mRNA that code for a particular amino acid

anticodon - set of 3 nucleic bases on the tRNA that carry or transfer the amino acids.

# Inside Nucleus

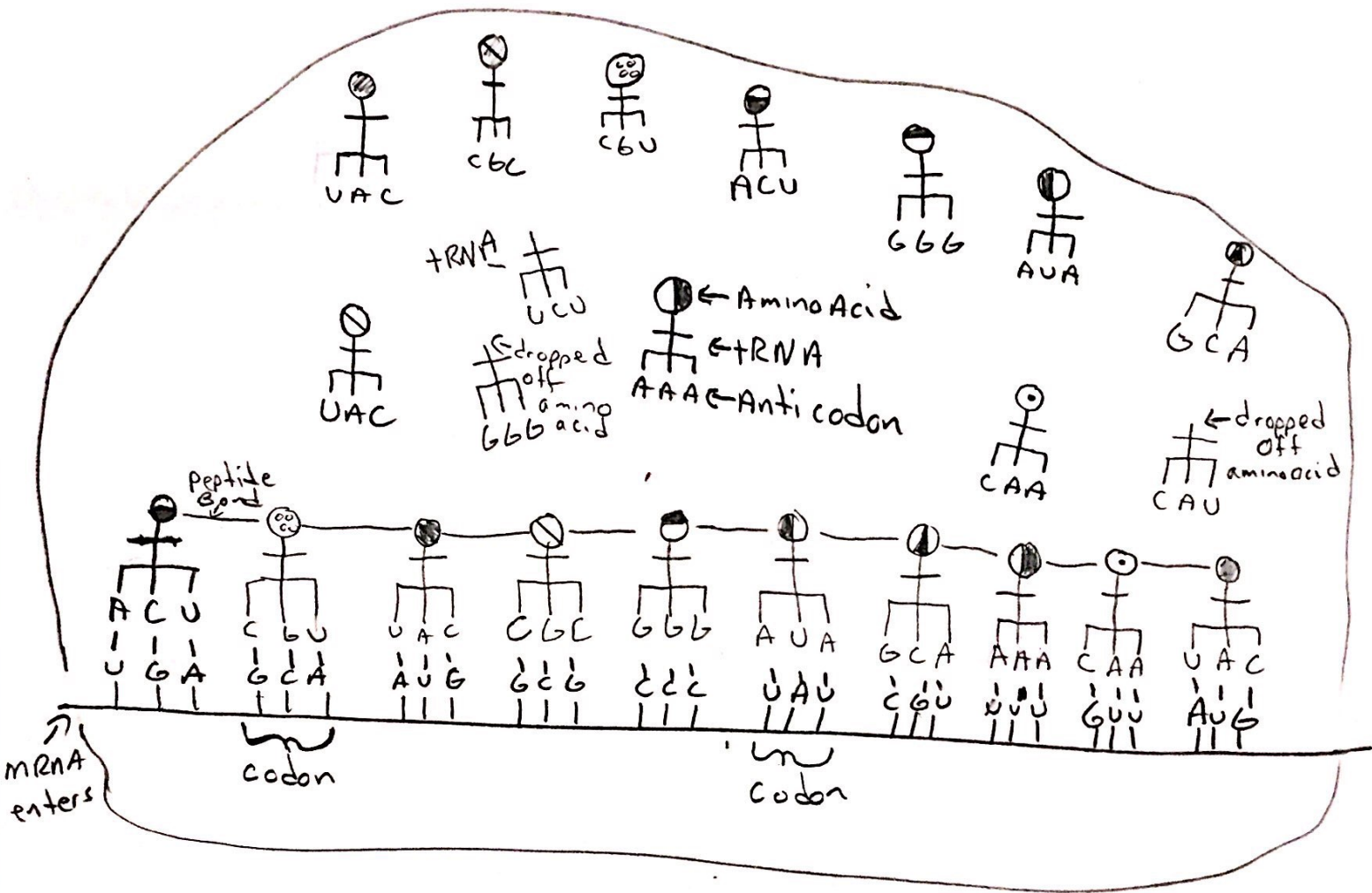


mRNA - leaves the nucleus and goes to ribosomes.  
- enters ribosome to be coded

Adenine (Uracil)

Cytosine (Guanine)

# Inside Ribosome



tRNA - transfer RNA "T"

● - amino acid

⌞ - anticodon

mRNA - messenger RNA

CGC UAU - codon

●-●-● - chain of amino acids protein  
↑ peptide bonds