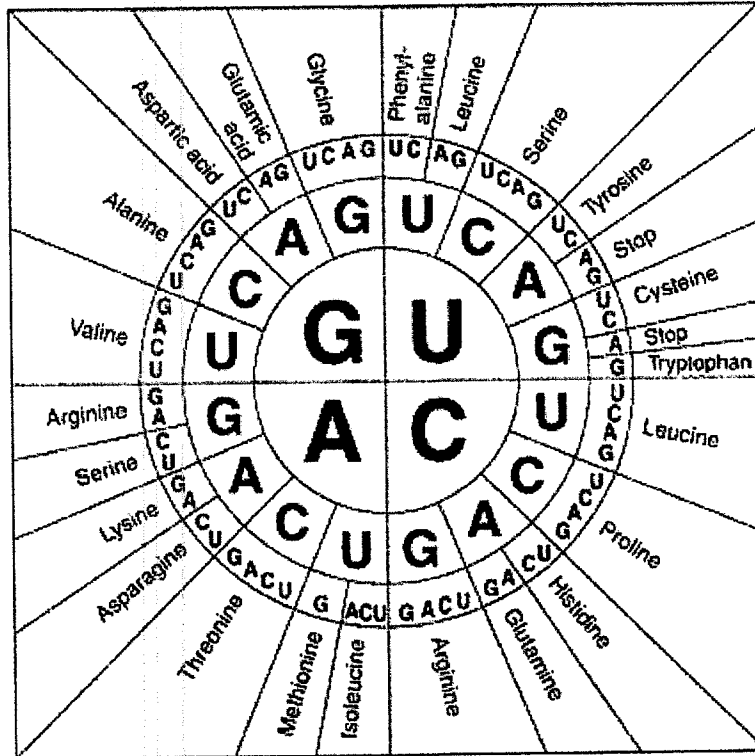


Protein Synthesis Practice

1. Transcribe the DNA code to a mRNA sequence.
2. Mark off the codons.
3. **Skip a line and list the amino acids associated with each codon.**
4. Match the tRNA anticodon sequence to the mRNA codon.

mRNA Codon Chart



BASE	U	C	A	G
U	UUU: Phenylalanine UUC: Phenylalanine UUA: Leucine UUG: Leucine	UCU: Serine UCC: Serine UCA: Serine UCG: Serine	UAU: Tyrosine UAC: Tyrosine UAA: Stop UAG: Stop	UGU: Cysteine UGC: Cysteine UGA: Stop UGG: Tryptophan
C	CUU: Leucine CUC: Leucine CUA: Leucine CUG: Leucine	CCU: Proline CCC: Proline CCA: Proline CCG: Proline	CAU: Histidine CAC: Histidine CAA: Glutamine CAG: Glutamine	CGU: Arginine CGC: Arginine CGA: Arginine CGG: Arginine
A	AUU: Isoleucine AUC: Isoleucine AUA: Isoleucine AUG: Methionine	ACU: Threonine ACC: Threonine ACA: Threonine ACG: Threonine	AAU: Asparagine AAC: Asparagine AAA: Lysine AAG: Lysine	AGU: Serine AGC: Serine AGA: Arginine AGG: Arginine
G	GUU: Valine GUC: Valine GUA: Valine GUG: Valine	GCU: Alanine GCC: Alanine GCA: Alanine GCG: Alanine	GAU: Aspartic acid GAC: Aspartic acid GAA: Glutamic acid GAG: Glutamic acid	GGU: Glycine GGC: Glycine GGA: Glycine GGG: Glycine