

Protein Synthesis- Making Amino Acids

Name:

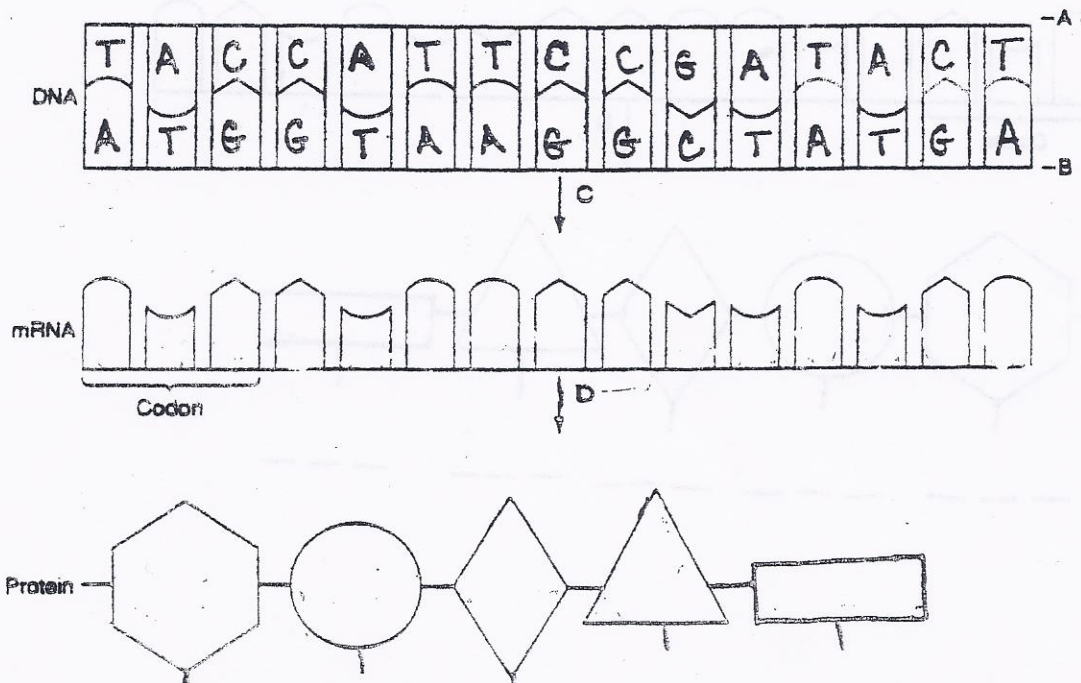
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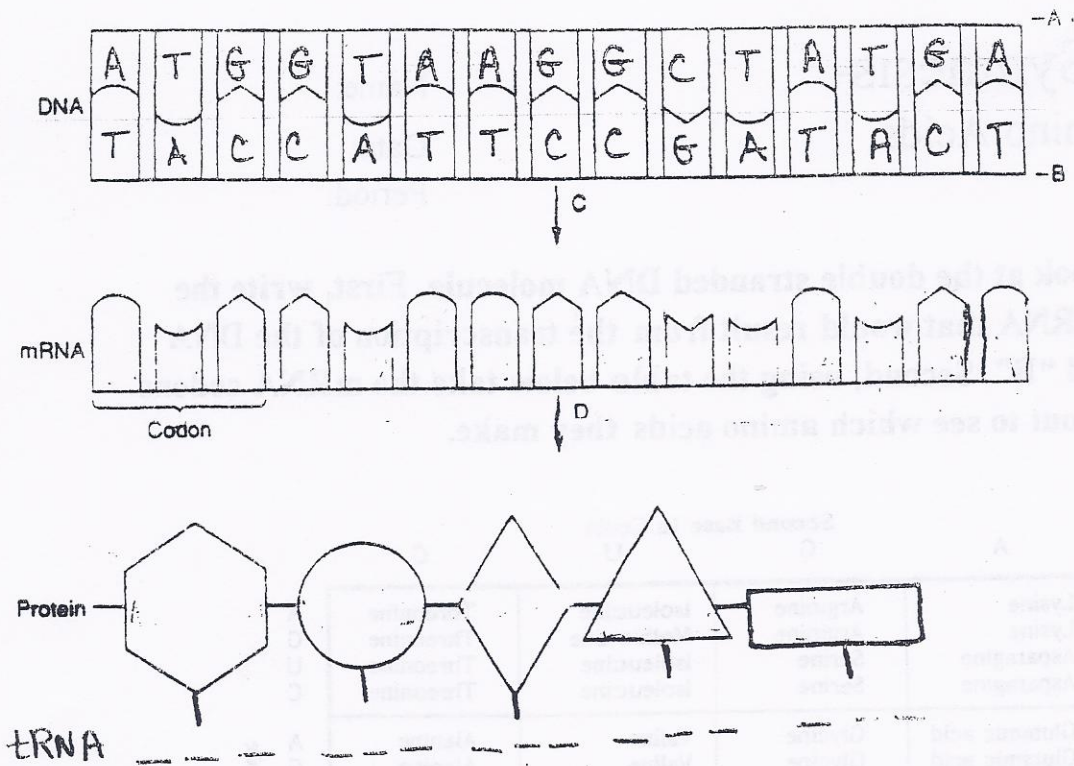
Directions: Look at the double stranded DNA molecule. First, write the sequence of mRNA that would result from the transcription of the DNA strand marked "B". Second, using the table below take the mRNA codons and key them out to see which amino acids they make.

		Second Base in Code					
		A	G	U	C		
First Base in Code	A	Lysine Lysine Asparagine Asparagine	Arginine Arginine Serine Serine	Isoleucine Methionine Isoleucine Isoleucine	Threonine Threonine Threonine Threonine	A G U C	Third Base in Code
	G	Glutamic acid Glutamic acid Aspartic acid Aspartic acid	Glycine Glycine Glycine Glycine	Valine Valine Valine Valine	Alanine Alanine Alanine Alanine	A G U C	
	U	STOP STOP Tyrosine Tyrosine	STOP Tryptophan Cysteine Cysteine	Leucine Leucine Phenylalanine Phenylalanine	Serine Serine Serine Serine	A G U C	
	C	Glutamine Glutamine Histidine Histidine	Arginine Arginine Arginine Arginine	Leucine Leucine Leucine Leucine	Proline Proline Proline Proline	A G U C	

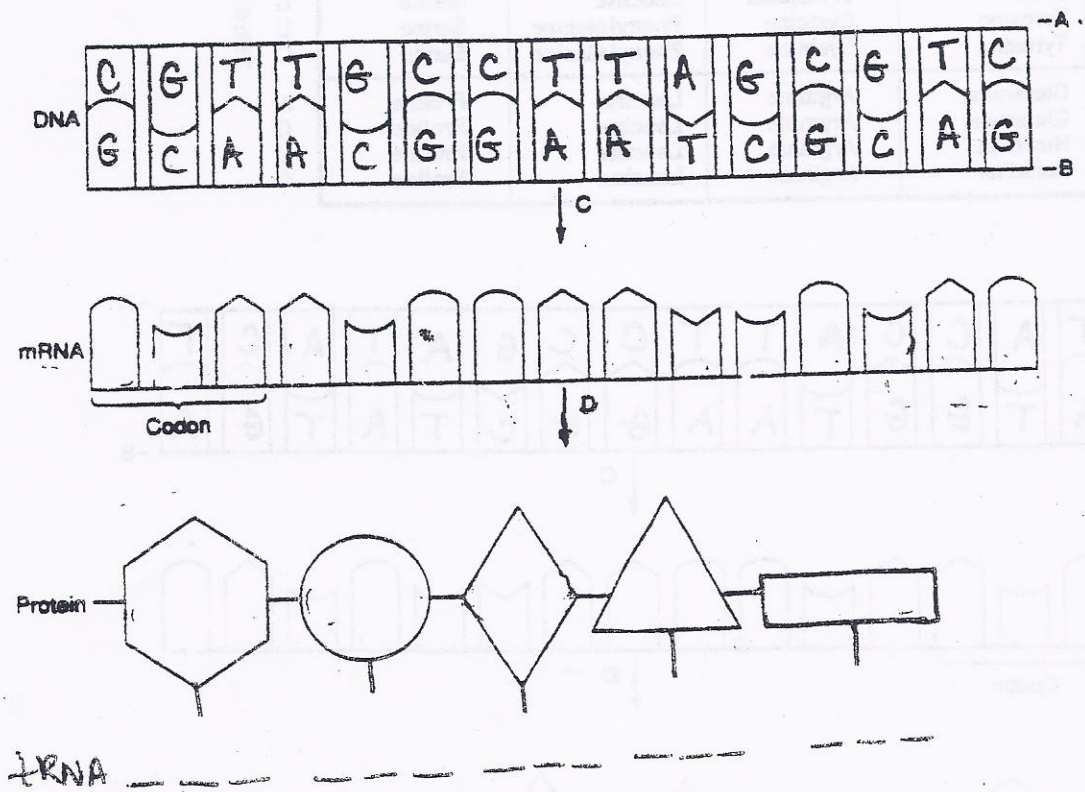
1.



2.



3.



4.

