Name	<del></del>	Date		
_		Date	 Class	

## **CHALLENGE**

Chapter 7

## FIGURE OUT THE CODONS AND AMINO ACIDS

Use what you have learned about pairing of nitrogen bases, and a biochemistry book to fill in the missing parts in the chart below. The first one is done for you.

Order of Codon in DNA	Order of Codon in mRNA		Amino Acid Coded for by mRNA		
CTT	GAA	. 5	glutamic acid		
GCA			Brandine acid		
	UCA				
ССТ					
	ACU				
GGG		•			
CAT	UAA		stop code		
CGA	AUC	•			
AŢC			stop code		
AAA	CAA				
ACT 1/2	UGA	1	- Contract Mark		
	nnď		and the second second		
ATG					
		•	histidine		
		r.	lysine		
	1		trytophan		
			methionine (and start code)		

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water and				
. Summar	y of Key Conce	pts (continued)	the same of the sa	
Review Ke	v Terms			
		the list that matches each	n description.	
amino acids	genetic code	protein	RNA	religio mo
codon	messenger RNA	protein synthesis	transcription	
ytoplasm	nucleic acid	replication	transfer RNA	78.3
DNA .	nucleotides	ribosomal RNA	translation	
louble helix	nucleus	ribosome		
	•		<b>3</b>	
	1. type of mole	ecule composed of many	nucleotides	*
	2. group of thr	ee nucleotides in mRN	A that specifies an amino	o acid
		DNA molecule	industrial and the second	
	4. form of RN	A that carries copies of	DNA's instructions out o	f the nucleus
			where proteins are assem	
			nucleotide sequence is co	
	7. basic building	ng blocks of proteins: car	rried to ribosomes by tR1	VAs.
		facturing proteins from		400
-		g blocks of nucleic acid		
			ries out instructions cod	ed in the
	11. part of the co	ell that surrounds the n	ucleus	
	0	ule made of amino acids		
1		ded nucleic acid contain	the second secon	Marin Comment
		ell that contains the DN		
			eic acids to synthesize pr	oteins
7	20.000	that transfers amino ac		OLOHIO
			ich protein synthesis take	es place
F 40. 1		nich DNA makes copies		or place
	1.44			a francisco de la companya del companya del companya de la company
	- Process III WI	incli codolis of mixina a	re decoded to a sequence	e of amino

acids