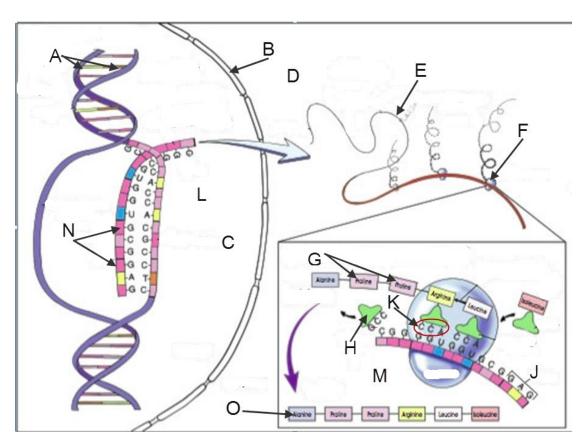
Name:	Period:
Mairie.	renou.

Protein Synthesis Worksheet

Use the diagram below to identify the location and structures associated with cellular protein synthesis.



Complete the table below with the information above

Α		Н	
В		J	(term for these 3 bases)
С	(the location)	K	term for these 3 bases)
D	(the location)	L	(name the process)
E		М	(name the process)
F		N	
G		0	

Name: Period:

Use the table on the right to construct the appropriate 3 base sequences associated with the following: A DNA molecule has unraveled to expose the following bases (1-12): CCC, CGT, GTT, CTT, GAT, TTT, AAA, GGC, AGC, ATG, CAA, ATT, Fill-in the table below completely to identify the list of amino acids formed.

	А	Lysine Lysine Asparagine Asparagine	Arginine Arginine Serine Serine	Isoleucine Methionine Isoleucine Isoleucine	Threonine Threonine Threonine Threonine	AGUC
Code Word	G	Glutamic acid Glutamic acid Aspartic acid Aspartic acid	Glycine Glycine Glycine Glycine	Valine Valine Valine Valine	Alanine Alanine Alanine Alanine	AGUC
rirst base in	U	"Stop" codon "Stop" codon Tyrosine Tyrosine	"Stop" codon Trytophan Cysteine Cysteine	Leucine Leucine Phenylalanine Phenylalanine	Serine Serine Serine Serine	AGUC
	С	Glutamine Glutamine Histidine Histidine	Arginine Arginine Arginine Arginine	Leucine Leucine Leucine Leucine	Proline Proline Proline Proline	A G U C
	Н	A	G	U	С	T

#	DNA	mRNA	tRNA	Amino
	Triplet	Codon	anticodon	Acid
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

1 What is this string of amino acids called?
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2. What is special about the DNA triplets ATT, ATC and ACT?
