Name:	Date:

Replication – Transcription – Translation

For each of the following sequences, fill in either the DNA, the mRNA codons, the tRNA anticodon, or the amino acid sequences that have been left blank.

1.						G			Т	A	A	С	G	Т	A	G	G
	mRNA																
	AA																
	DNA																
	mRNA																
	Λ Λ																
3.						G _											
	DNA mRNA																
																	U
	A A														_	0	<u> </u>
1	DNA								т	C	C						
4.	DNA																G
	mRNA	U	A	U	С	G											
	AA											_	Gly	V			
5.	DNA									G	Т						
	tRNA						C	A _									
	AA				_	Glu										Tr	р

	Name:	Date:
F	Explain the following processes. Create an example if needed. • Replication –	
	• <u>Transcription</u> –	
	• <u>Translation</u> –	
1.	What, specifically, is the <u>purpose</u> of DNA?	
2.	Does DNA ever leave the nucleus? Why or why not?	
3.	Where does <u>replication</u> occur within the cell?	
4.	Where does <u>transcription</u> occur within the cell?	
5.	Where does <u>translation</u> occur within the cell?	
6.	Is mRNA created during <u>transcription</u> or <u>translation</u> ?	
7.	Are amino acids created during <u>transcription</u> or <u>translation</u> ?	
8.	Does mRNA have <u>codons</u> or <u>anti-codons</u> ?	