Transcription and Translation Practice Worksheet

For each of the following sequences, fill in either the DNA, the mRNA sequence, the tRNA anticodons, or the amino acid sequences that have been left blank. If several sequences might work choose any one. Use page 338 in your textbook.

1.	DNA									
	mRNA	A U G	ACU	AGC	UGG	GGG	U A U	UAC	C U U U	UAG
	tRNA									
	AA									
2.	DNA	ТАС	ССС	тсс	GCC	бтс	GAC	ААТ	АСС	АСТ
	mRNA									
	tRNA									_
	AA									
3.	DNA									
	mRNA									
	tRNA	U A C	C A C	C C C	CGU	A U G	G C U	GGG	G A A U	A U C
	AA									
4.	DNA									
	mRNA									
	tRNA									
	AA	MET	ARG	GLY	PHE	PHE	MET	VAL	GLY	(STOP)
5.	DNA	ТАС					АТС			
5.	mRNA			UGU						
			<u> </u>							_A U U
	AA					ALA			PRO	

7. Where is DNA found in the cell?

Where is RNA found in the cell(2 places)?

8. Fill in the below table:

Type of RNA	Function	Basic drawing

9. Draw an mRNA strand that is complementary to the DNA strand AATTGC. Circle a nucleotide.

10. Below is a drawing of a cell. Show where transcription and translation are occurring make sure to label

the DNA and the RNA (all three types!):

