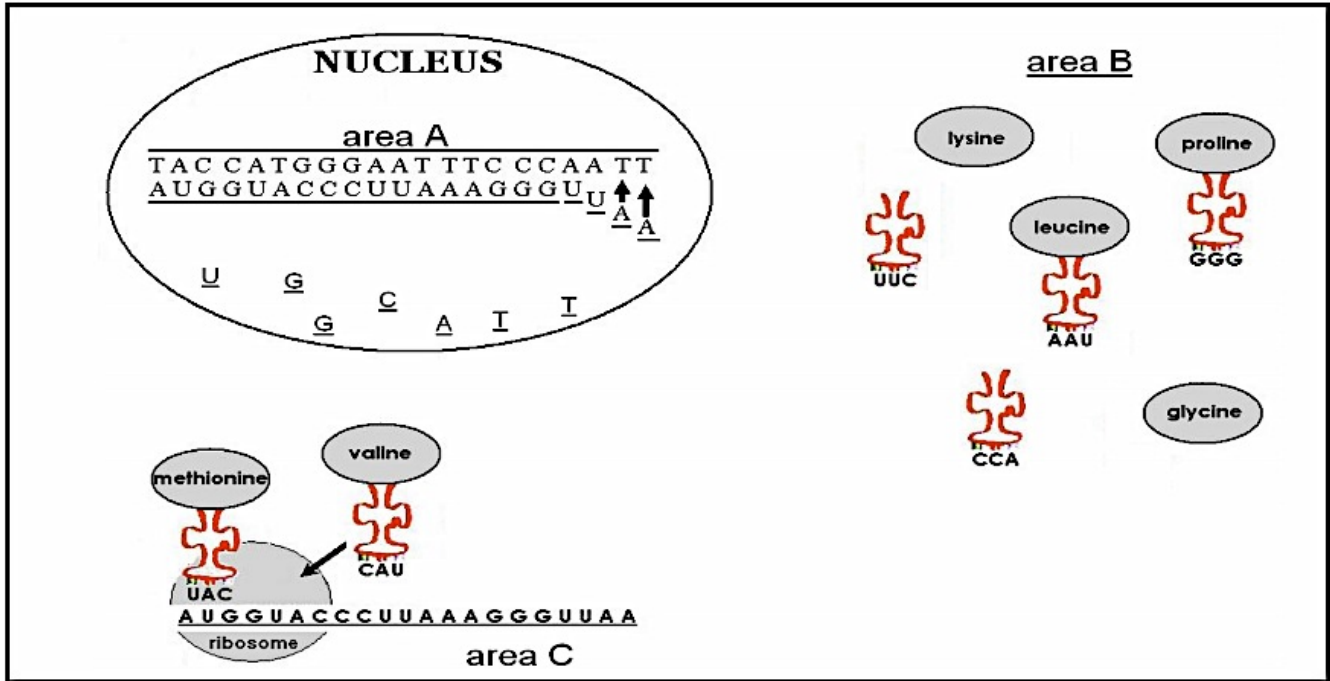


Name _____

Date _____

TRANSCRIPTION & TRANSLATION

Use the picture to answer the questions:



- Which **mRNA codon** will start the process of translation? _____
- Which **amino acid** does every protein begin with? _____
- Which **mRNA codons** will end the process of translation? _____
- Examine area C. List the amino acids that will be delivered to this ribosome from start to finish. Remember, in order to find the amino acid, you have to read the mRNA strand.

1st = _____	4th = _____
2nd = _____	5th = _____
3rd = _____	6th = _____
- From the DNA information given, fill in the missing information.

DNA	mRNA	tRNA	Amino Acid
TTT			

6. From the tRNA information given, fill in the missing information.

DNA	mRNA	tRNA	Amino Acid
		GUU	

7. From the amino acid given, fill in the missing information.

DNA	mRNA	tRNA	Amino Acid
			Methionine

8. Follow the rules of **transcription** and fill in the boxes below?

C	T	G	A	A	T

9. Below is a strand of mRNA. Follow the rules of **translation** and fill in the tRNA strand below?

C	U	G	U	A	C

10. Which two amino acids does the following DNA strand code for?

C	C	A	T	T	A