Name	Date Period
	Protein Synthesis "What Happens when DNA Is Mutated"
Initial	DNA Sequence (always refer to this sequence when starting a new problem)
АТТ	ACTGAGGATCGGAATACTTCAGCTCTTAGCATTGCAT
1.	To understand what happens under normal condition, transcribe this DNA strand into its mRNA.
mRNA	
	Using this newly made mRNA, translate it into its corresponding protein fragment. Don't forget to look for start and stop codons.
proteir	a fragment =
2.	Referring to the original DNA strand, change the 29 th base from cytosine to adenine.
mRNA	_ = -
proteir	fragment =
	What happened?
3.	Referring to the original DNA strand, change the 9 th base from adenine to cytosine.
mRNA	x =
proteir	r fragment =
	What happened?
4.	Referring to the original DNA strand, insert thymine between the 3 rd and 4 th base.
mRNA	\ =

protein fragment =

What happened?