Point Mutation Problems

In the exercise below, determine from the original DNA, the new mutant DNA, the new mRNA sequence, and the amino acid sequence. Use the examples on the previous pages as a guide

and refer to the mRNA amino acid table on the activity *The Genetic Code*. In each case, identify the type of point mutation and describe its effect on the coding for the protein:

	(cytosine).	· ·	e-control or or branching and a second control of the control of t
	(a) Identify this type of point mutation:	Original DNA	AAA ATG TTT CTC CAA GAT
	(b) Describe its effect on the protein produced:	Mutant DNA	Assembled the second
	addrik. The neturiting protein is verificity	mRNA	
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	MOLECULE SERVICE SERVICE AND		Into the ONA sequence ties a large demaging effect, sideletted may also
	Delete the 14th base (A) in the original DNA, with no replacement.		Mutation: Deletion of A
	(a) Identify this type of point mutation:	Original DNA	AAA ATG TTT CTC CAA GAT
	(b) Describe its effect on the protein produced:	Mutant DNA	
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1.	Insert a new base (G) between the 14th and the 15th base, and delete the 6th base (G) in the original DNA.		Mutation: Deletion of G Mutation: Insertion of C
	(a) Identify this type of point mutation:	Original DNA	AAA ATG TTT CTC CAA GAT
	(b) Describe its effect on the protein produced:	Mutant DNA	
	Operations of the genetic code, many managers of the tops of the charle of the property activity of the activities are exceptions, e.g. slotte net disperse.	mRNA	
		Amino Acids	
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1.	Discuss the difference between a gene mutation and a contract of the contract		mutation: each richte virtuel (e)
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