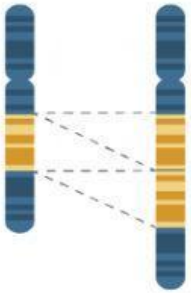
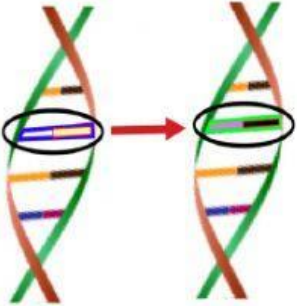
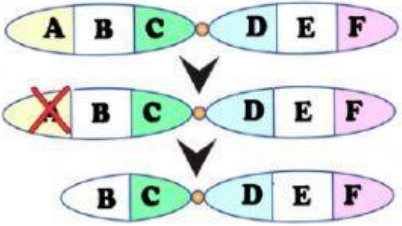


Name:		Class/Section: 10		Date:	
Unit: Unit 4 - Genetics	Chapter: 13-RNA & Protein Synthesis	Lesson: 13.3 Mutations		Textbook p.: 372-376	
		Online Task			

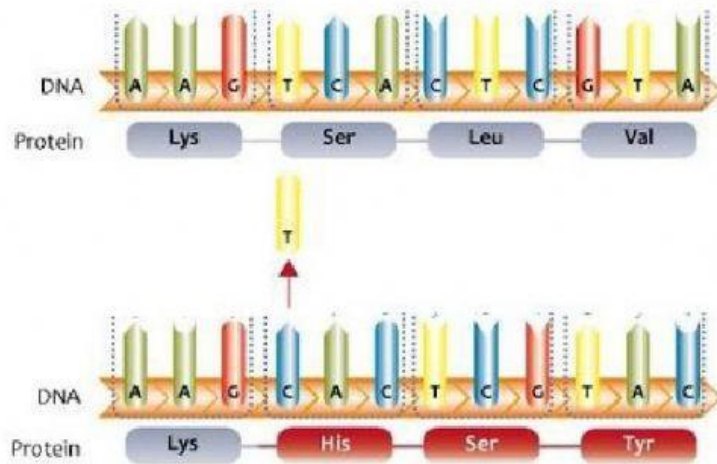
Original DNA sequence:	TAC	ACC	TTG	GCG	ACG	ACT
mRNA transcript:	AUG	UGG	AAC	CGC	UGC	UGA
amino acids:	methionine	Threonine	Asparagine	Arginine	Cysteine	Stop

Original DNA sequence:	TAC	ACC	TTG	GGA	CGA	CT
mRNA transcript:	AUG	UGG	AAC	CCU	GAU	
amino acids:	methionine	Threonine	Asparagine	Proline	Aspartic acid	

1. What type of mutation is seen above? _____
2. How did the mutation affect the amino acid sequence? _____
3. Use the image below to answer the following
 - a. Identify the type of mutations.
 - b. State whether the mutation is a gene mutation or a chromosomal mutation.

4. Complete the following about the below image. Check the correct boxes.



This image is an example of

☒ Gene mutation

☒ Point mutation

☐ Chromosome Mutation

This image _____ a frame mutation,