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

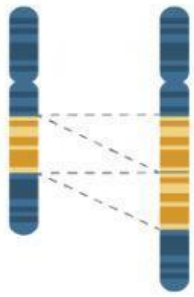
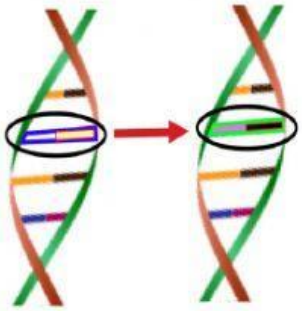
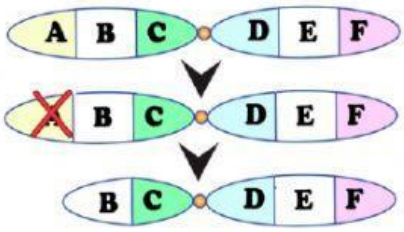
Original DNA sequence:	TAC	ACC	TTG	GGA	CGA	CT
mRNA transcript:	AUG	UGG	AAC	CCU	GAU	
amino acids:	methionine	Threonine	Asparagine	Proline	Aspartic acid	

1. **What type of mutation is seen above? _____**

2. **How did the mutation affect the amino acid sequence? _____**

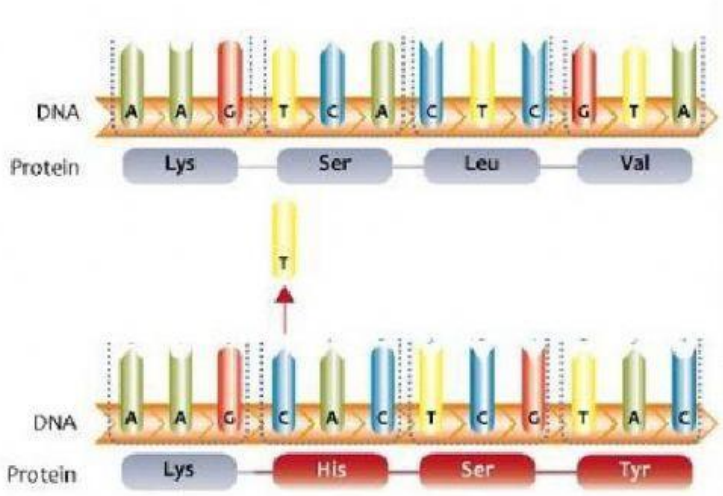
3. **Use the image below to answer the following**

   a. **Identify the type of mutations.**
   b. **State whether the mutation is a gene mutation or a chromosomal mutation.**

LIVEWORKSHEETS

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,			

LIVEWORKSHEETS