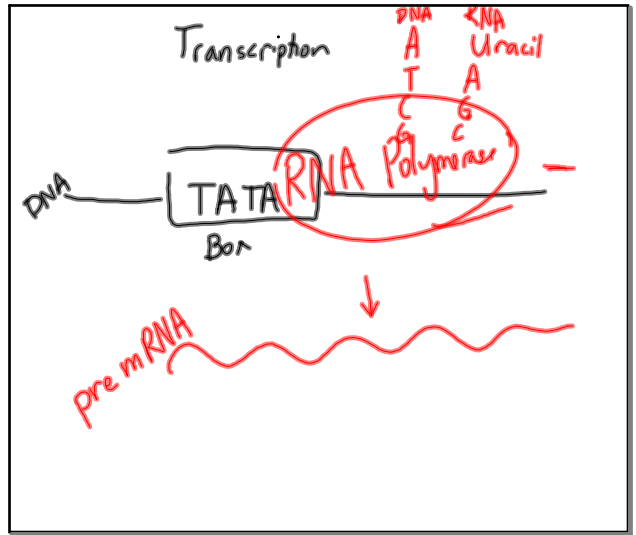
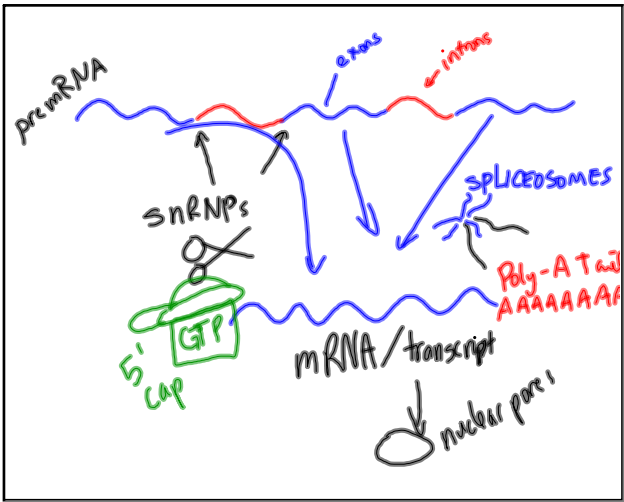


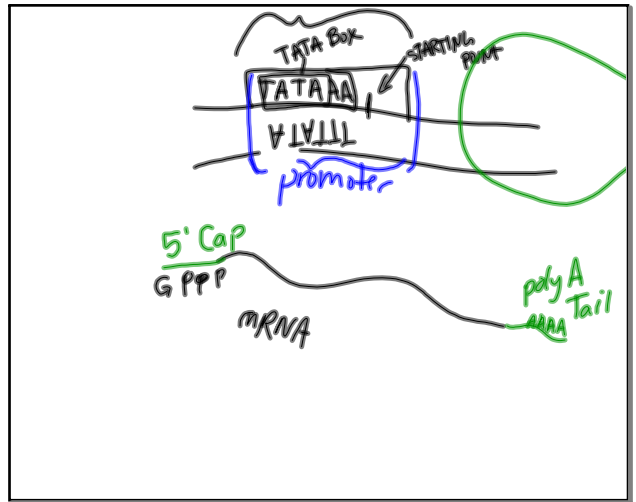
Nov 29-11:33 AM



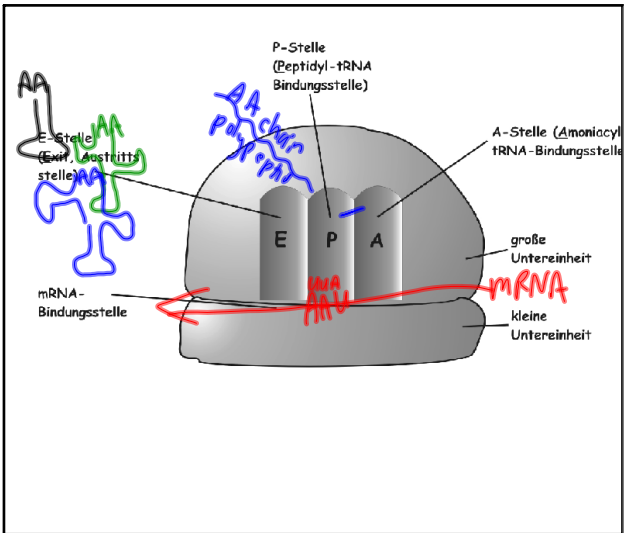
Dec 2-12:28 PM



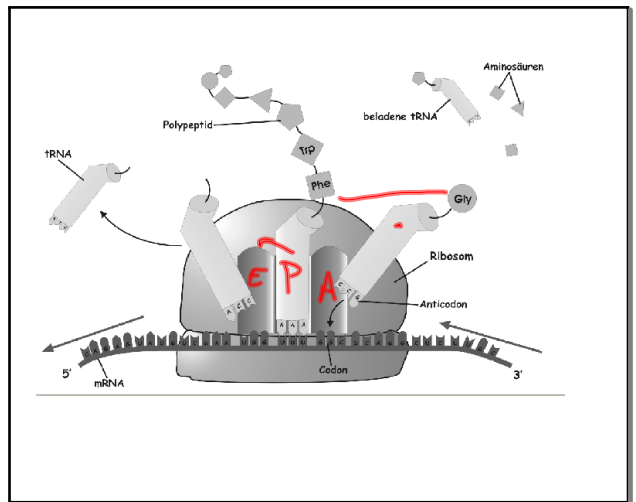
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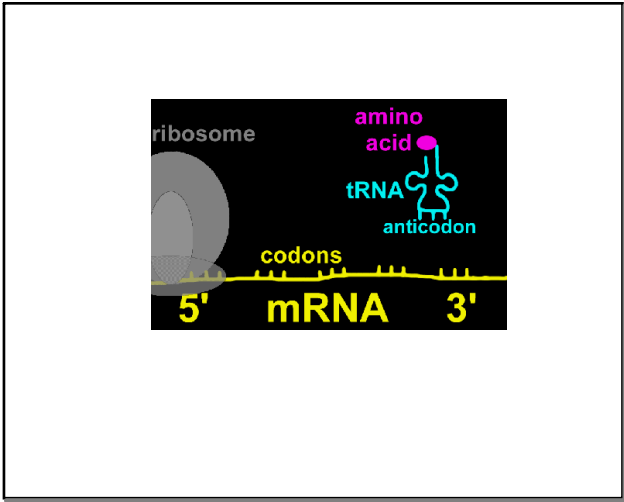
Dec 10-12:30 PM



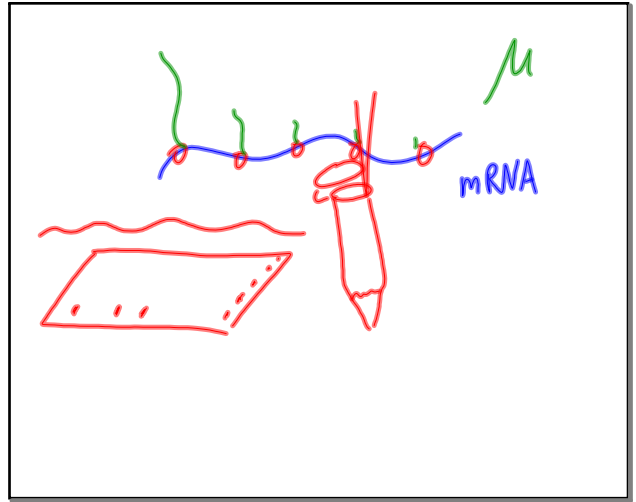
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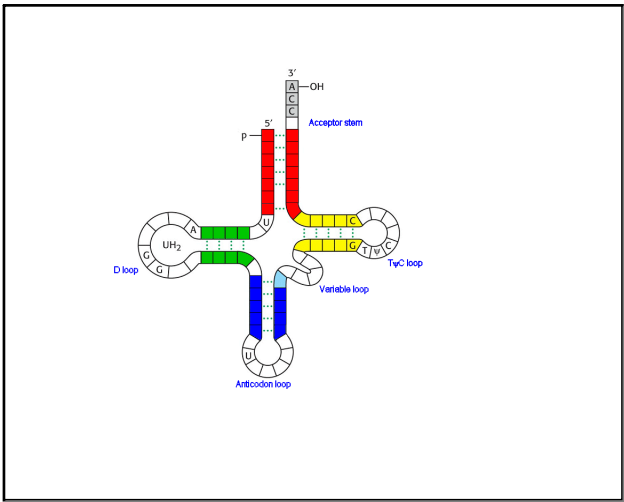
Nov 29-11:38 AM



Apr 10-11:11 AM



Dec 2-11:21 AM



Dec 15-11:53 AM

1. What are produced in the following processes?
translation
replication
transcription
2. What sequence of DNA would match up with the following strand?
CGTAGCAT
3. Pick 3 to give the functions
DNA polymerase
Helicase
Ligase
Primase
Isomerase
4. Why are Okazaki fragments formed?
5. What bonds hold the two DNA strands together?
6. Which site on the ribosome holds the tRNA that is holding on to the polypeptide?
7. What is the Wobble hypothesis?
8. What is the function of an operator on promoter?
9. What is an operon?
10. What is the difference between an inducible and repressible operon?

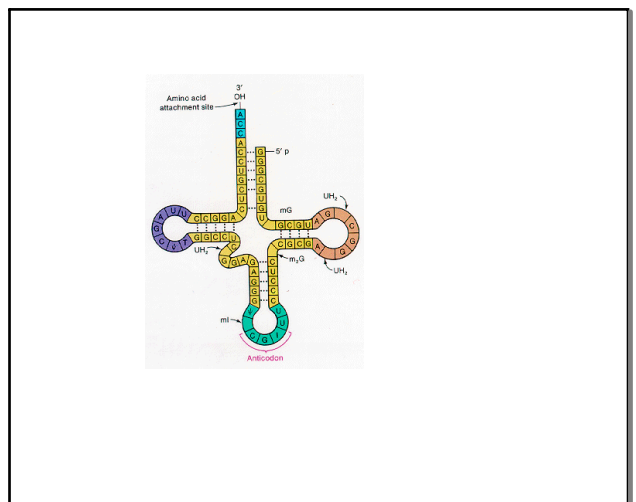
Dec 15-11:58 AM

		Second Letter			
		U	C	A	G
1st letter	U	UUU Phe UUC UUA Leu UUG	UCU Ser UCC UCA UCG	UAU Tyr UAC UAA Stop UAG Stop	UGU Cys UGC UGA Stop UGG Trp
	C	CUU Leu CUC CUA CUG	CCU Pro CCC CCA CCG	CAU His CAC CAA CAG	CGU Arg CGC CGA CGG
	A	AUU Ile AUC AUA AUG Met	ACU Thr ACC ACA ACG	AAU Asn AAC AAA AAG	AGU Ser AGC AGA AGG Arg
G	GUU Val GUC GUA GUG	GCU Ala GCC GCA GCG	GAU Asp GAC GAA GAG	GGU Gly GGC GGA GGG	

Handwritten notes: AUG start Codon → Methionine. UAA UAG UAG stop.

What is the name of this molecule?
What amino acid will this molecule carry?

Dec 15-11:56 AM



Dec 6-10:34 AM

Start Codon AUG

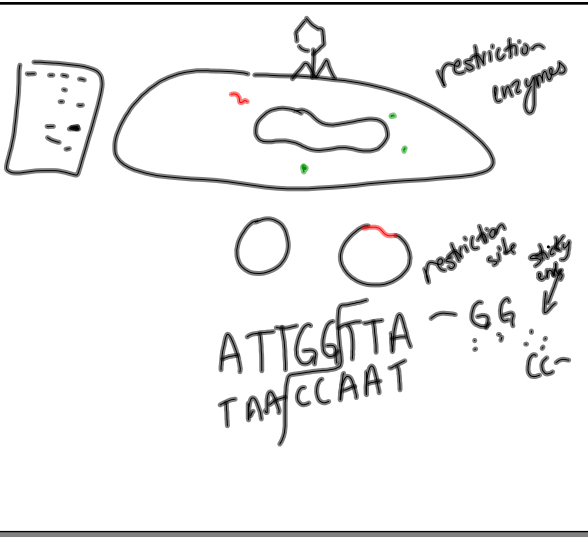
STOP CODONS
 UAA
 UGA
 UAG

Nov 29-11:59 AM

		Second Position				
		U	C	A	G	
U	U	UUU } Phe	UCU } Ser	UAU } Tyr	UGU } Cys	U
	U	UUC } Phe	UCC } Ser	UAC } Tyr	UGC } Cys	C
	U	UUA } Leu	UCA } Ser	UAA } Stop	UGA } Stop	A
	U	UUG } Leu	UCG } Ser	UAG } Stop	UGG } Trp	G
C	C	CUU } Leu	CCU } Pro	CAU } His	CGU } Arg	U
	C	CUC } Leu	CCC } Pro	CAC } His	CGC } Arg	C
	C	CUA } Leu	CCA } Pro	CAA } Gln	CGA } Arg	A
	C	CUG } Leu	CCG } Pro	CAG } Gln	CGG } Arg	G
A	A	AUU } Ile	ACU } Thr	AAU } Asn	AGU } Ser	U
	A	AUC } Ile	ACC } Thr	AAC } Asn	AGC } Ser	C
	A	AUA } Met	ACA } Thr	AAA } Lys	AGA } Arg	A
	A	AUG } Met	ACG } Thr	AAG } Lys	AGG } Arg	G
G	G	GUU } Val	GCU } Ala	GAU } Asp	GGU } Gly	U
	G	GUC } Val	GCC } Ala	GAC } Asp	GGC } Gly	C
	G	GUA } Val	GCA } Ala	GAA } Glu	GGA } Gly	A
	G	GUG } Val	GCG } Ala	GAG } Glu	GGG } Gly	G

Wobble hypothesis

Dec 9-12:30 PM



Dec 6-11:03 AM

Replic DNA TACTGCATAATCAT

mRNA-

anticodon Sequ.

peptide chain

Nov 29-12:06 PM

Point Mutation

THE FAT CAT SAW THE DOG --> THE FAT CAT SAW THE HOG

Insertion or Deletion - Frameshift

THE FAT CAT SAW THE DOG --> THF ATC ATS AWT HED OG

THE FAT CAT SAW THE DOG --> THE FTA TCA TSA WTH EDO G

Missence Mutations - framshift results in stop codon

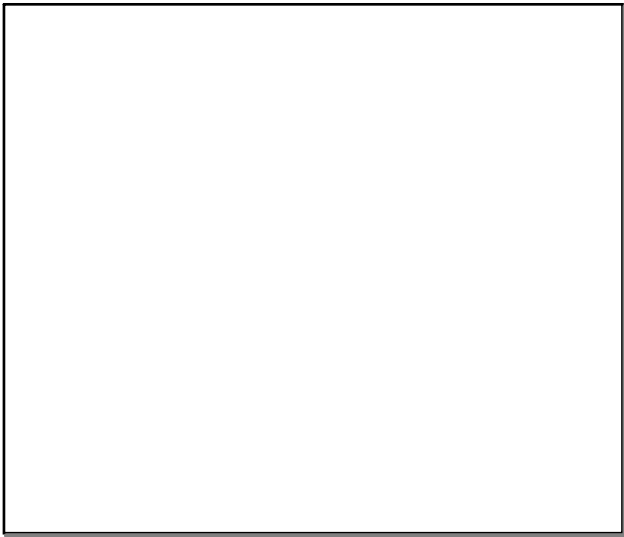
Nov 29-12:13 PM

What is a point mutation?

What is a frameshift mutation?

What enzyme corrects errors in DNA replication?

Dec 6-10:35 AM



Dec 6-10:39 AM