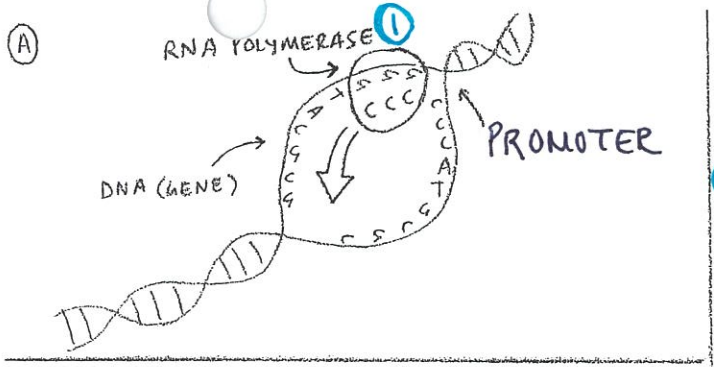
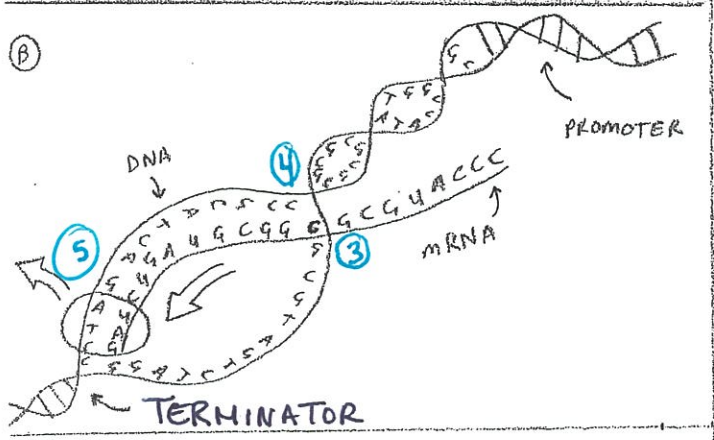
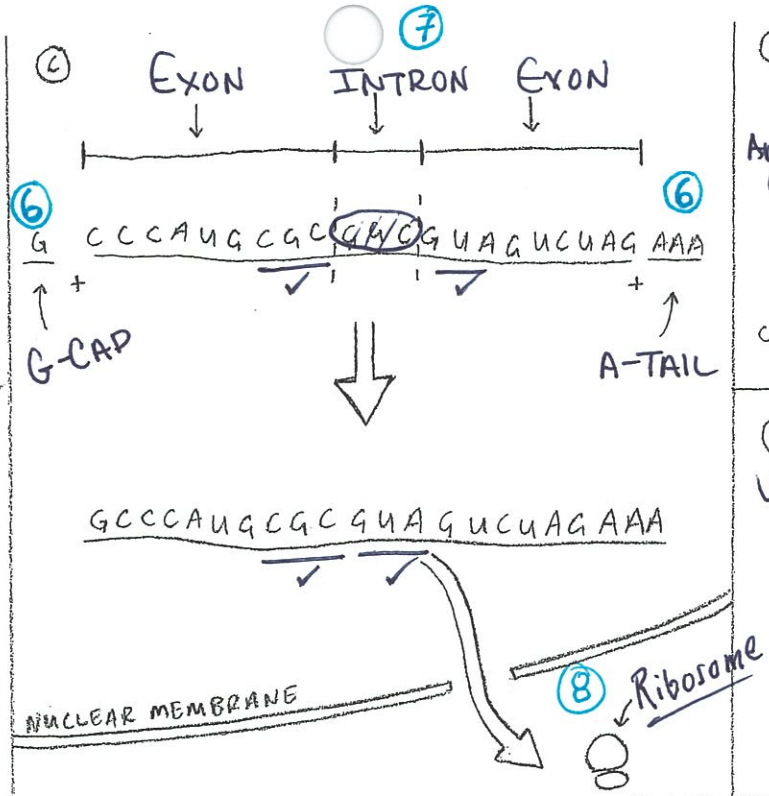
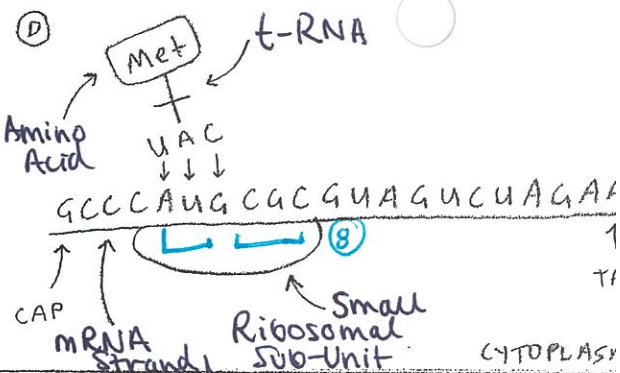
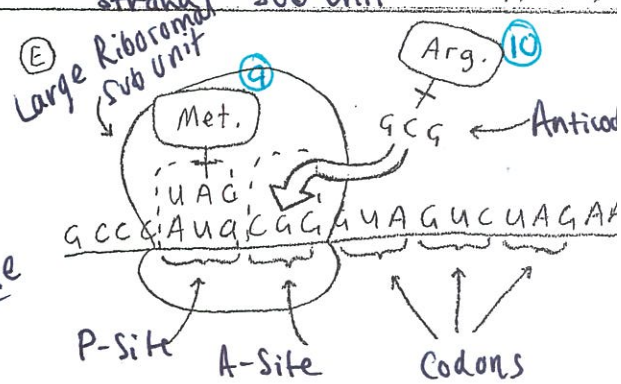
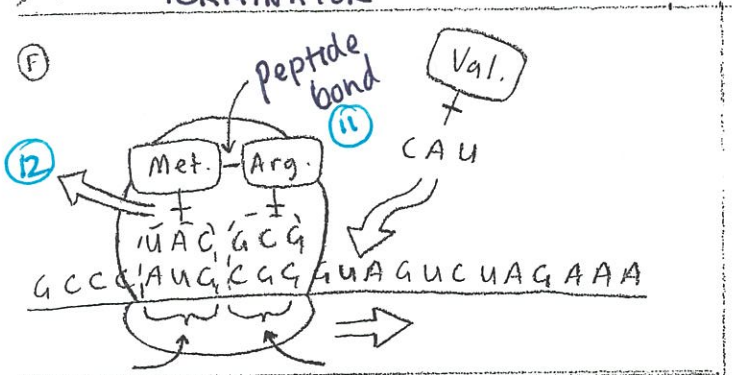

A
RNA POLYMERASE
1
PROMOTER
DNA (GENE)

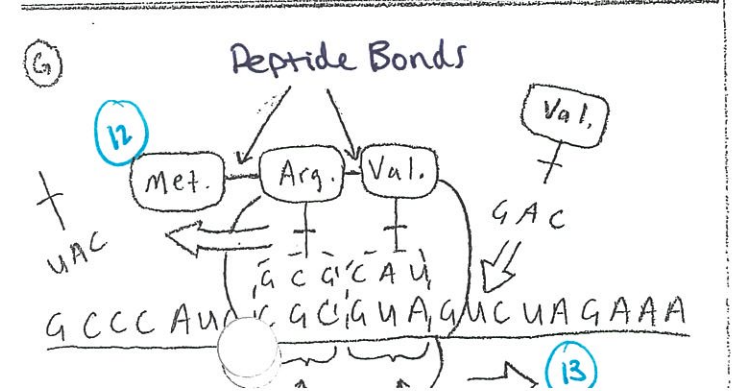

B
PROMOTER
DNA
4
5
3
mRNA
TERMINATOR

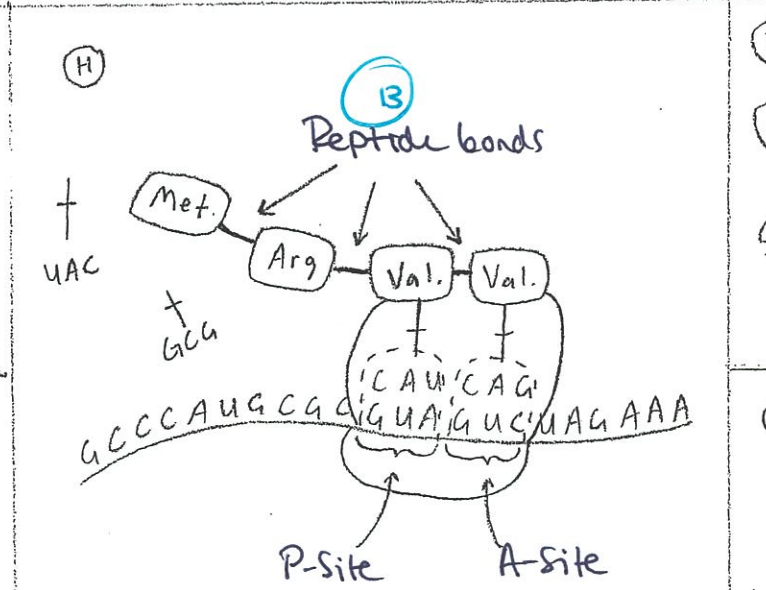

C
7
EXON
INTRON
EXON
6
6
G
CCCAUGCGCGUAGUCUAGAAA
G-CAP
A-TAIL
GCCCAUGCGCGUAGUCUAGAAA
NUCLEAR MEMBRANE
8
Ribosome

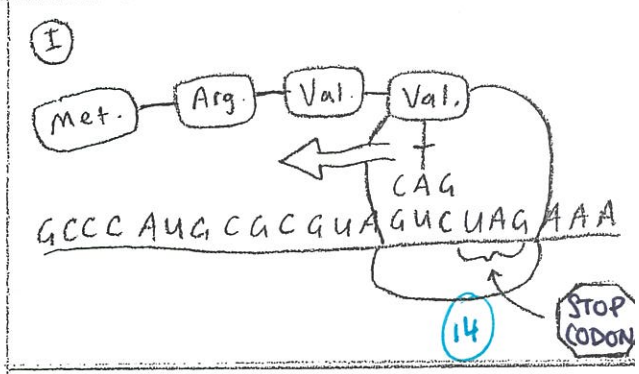

D
Met
t-RNA
Amino Acid
UAC
GCCCAUGCGCGUAGUCUAGAA
8
CAP
mRNA Strand
Small Ribosomal Sub-Unit
CYTOPLASM

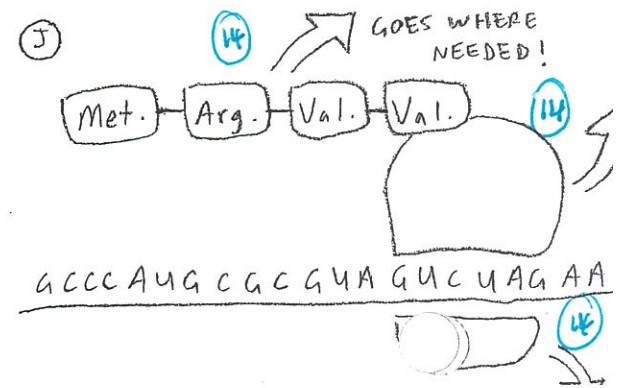

E
Large Ribosomal Sub Unit
9
Met.
Arg.
10
GCG
Anticod
UAC
GCCCAUGCGCGUAGUCUAGAA
P-Site
A-Site
Codons


F
Peptide bond
11
Val.
12
Met.
Arg.
CAU
UAC
GCG
GCCCAUGCGCGUAGUCUAGAAA


G
Peptide Bonds
12
Met.
Arg.
Val.
Val.
UAC
GAC
GCGCAU
GCCCAUGCGCGUAGUCUAGAAA
13


H
13
Peptide bonds
Met.
Arg
Val.
Val.
UAC
GCG
CAU
CAG
GCCCAUGCGCGUAGUCUAGAAA
P-Site
A-Site


I
Met.
Arg.
Val.
Val.
CAG
GCCCAUGCGCGUAGUCUAGAAA
14
STOP CODON


J
14
GOES WHERE NEEDED!
Met.
Arg.
Val.
Val.
14
GCCCAUGCGCGUAGUCUAGAA
14