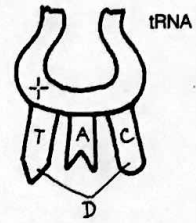
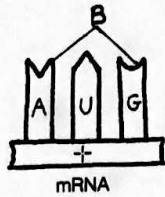


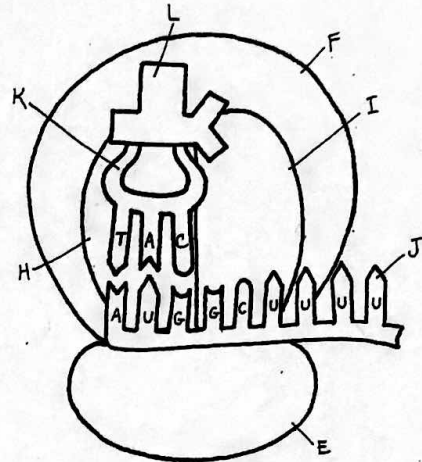
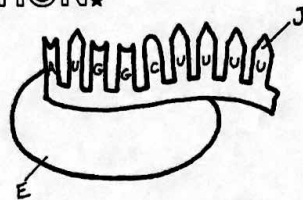
PROTEIN SYNTHESIS: TRANSLATION.

CODON:
ANTICODON:
RIBOSOME*
SMALL SUBUNIT:
LARGE SUBUNIT:
P SITE:
A SITE:

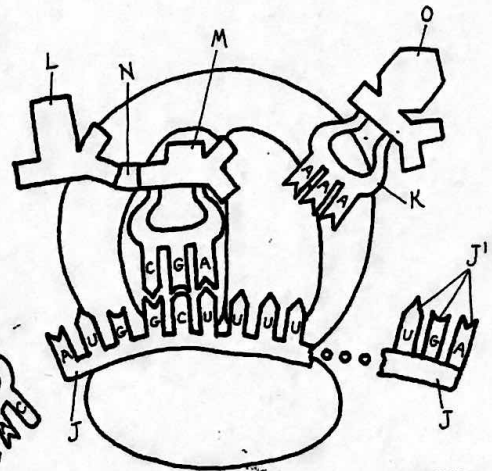
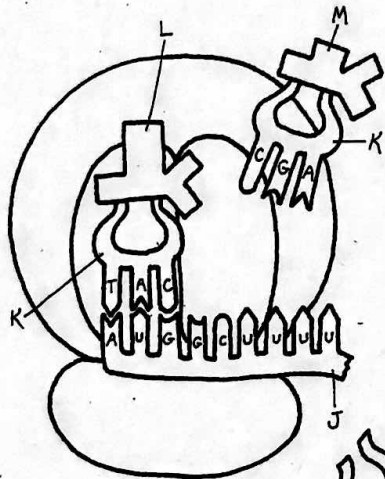


PHASES OF TRANSLATION*
INITIATION*

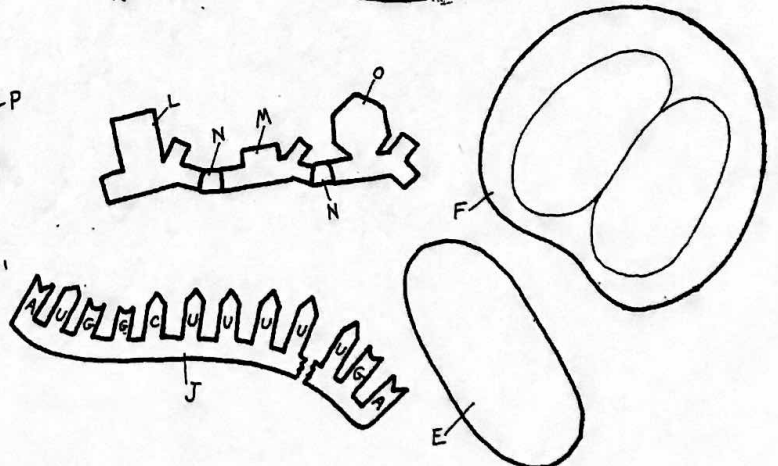
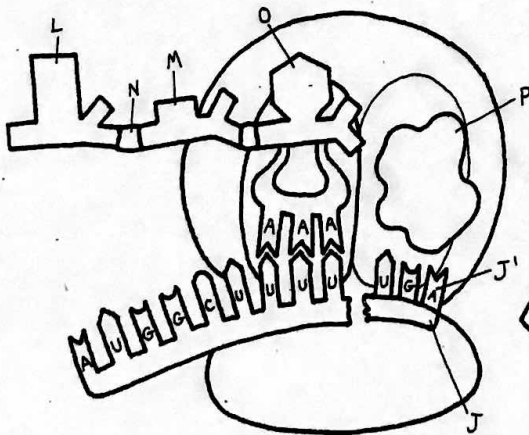
mRNA,
tRNA_k
METHIONINE.



ELONGATION*
ALANINE_M
PEPTIDE BOND_N
PHENYLALANINE.
STOP CODON_J



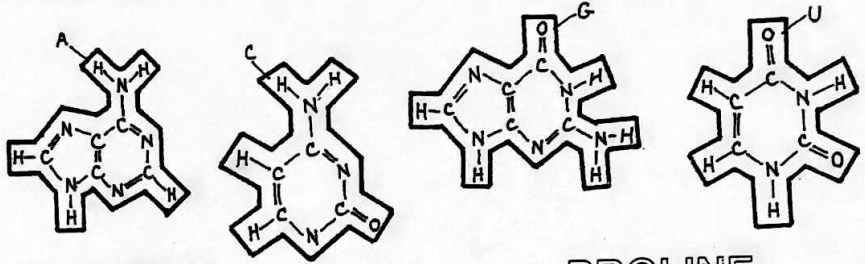
TERMINATION*
RELEASE
FACTOR.



THE GENETIC CODE.

mRNA BASES*

- ADENINE_A
- CYTOSINE_C
- GUANINE_G
- URACIL_U



AMINO ACIDS*

- ALANINE_A
- ARGININE_R
- ASPARAGINE_E
- ASPARTIC ACID_D
- CYSTEINE_C
- GLUTAMINE_Q
- GLUTAMIC ACID_E

- GLYCINE_G
- HISTIDINE_H
- ISOLEUCINE_I
- LEUCINE_L
- LYSINE_K
- METHIONINE_M
- PHENYLALANINE_F

- PROLINE_P
- SERINE_S
- THREONINE_T
- TRYPTOPHAN_W
- TYROSINE_Y
- VALINE_V

SECOND mRNA BASE*

STOP CODON_Z

FIRST mRNA BASE*	SECOND mRNA BASE*			THIRD mRNA BASE*
	U ^{-U'}	C ^{-C'}	A ^{-A'}	
U ^{-U'}	UUU	UCU	UAU	UGU
	UUC	UCC	UAC	UGC
	UUA	UCA	UAA	UGA
	UUG	UCG	UAG	UGG
C ^{-C'}	CUU	CCU	CAU	CGU
	CUC	CCC	CAC	CGC
	CUA	CCA	CAA	CGA
	CUG	CCG	CAG	CGG
A ^{-A'}	AUU	ACU	AAU	AGU
	AUC	ACC	AAC	AGC
	AUA	ACA	AAA	AGA
	AUG	ACG	AAG	AGG
G ^{-G'}	GUU	GCU	GAU	GGU
	GUC	GCC	GAC	GGC
	GUA	GCA	GAA	GGA
	GUG	GCG	GAG	GGG