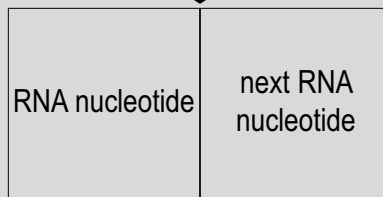


Nucleus

RNA polymerase

place where enzyme forms
covalent bond between nucleotides



DNA

cytoplasm
around the nucleus

Ribosome

place where ribosome forms
covalent bond between amino acids



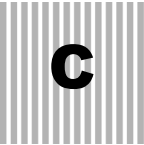
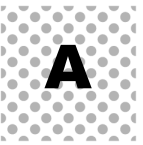
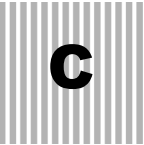





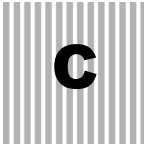

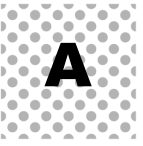



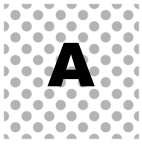

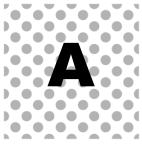
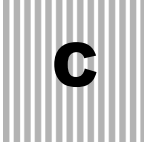

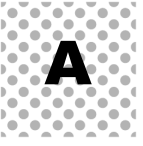



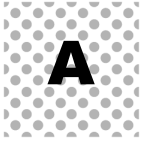

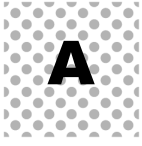
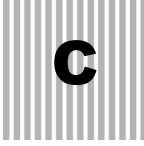

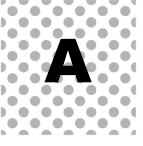



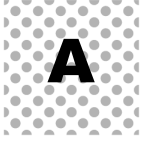

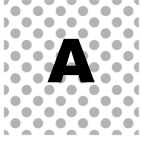





















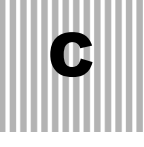





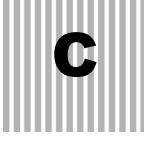

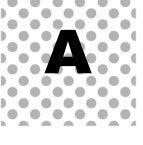






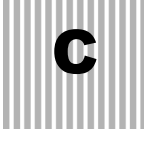
tRNA with
amino acid

tRNA with next
amino acid

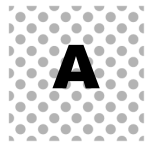
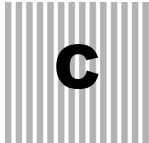
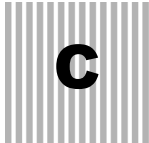
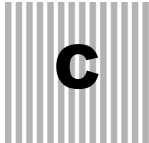
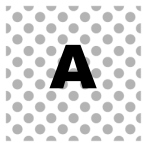
codon

next codon

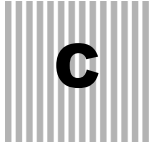
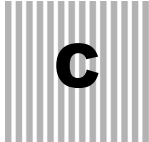
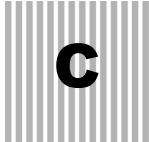
mRNA

Beginning of Hemoglobin Gene									
Beginning of Hemoglobin Gene									
Beginning of Hemoglobin Gene									
Beginning of Hemoglobin Gene									
Beginning of Hemoglobin Gene									
Beginning of Hemoglobin Gene									
Beginning of Hemoglobin Gene									
Beginning of Hemoglobin Gene									

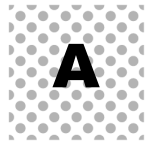
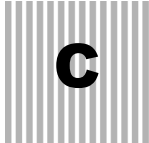
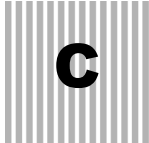
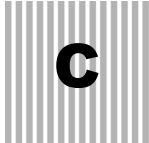
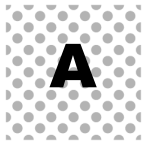
Beginning of hemoglobin gene - 8 sets



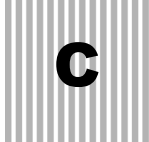
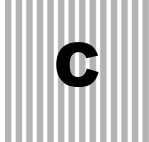
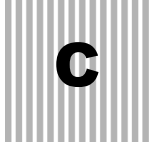
Second Part
of mRNA



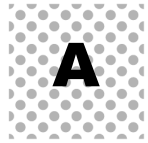
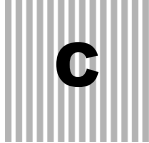
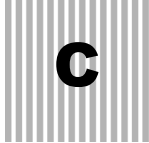
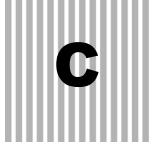
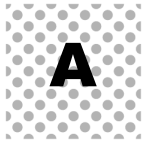
Second Part
of mRNA



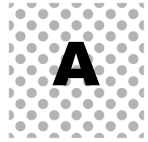
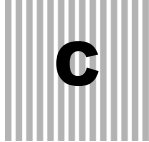
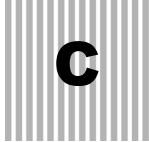
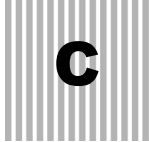
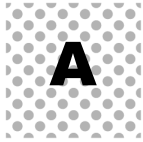
Second Part
of mRNA



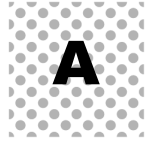
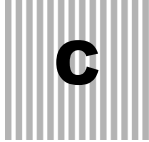
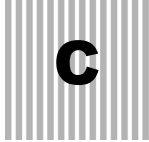
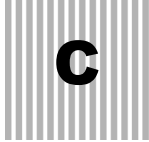
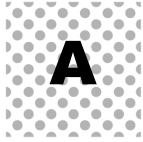
Second Part
of mRNA



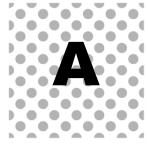
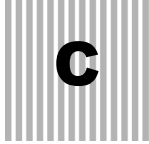
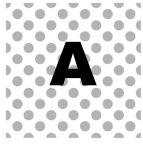
Second Part
of mRNA



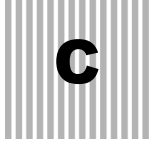
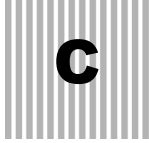
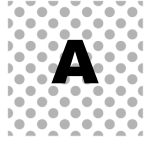
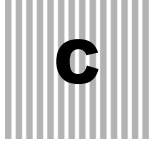
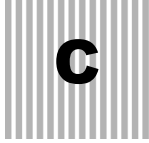
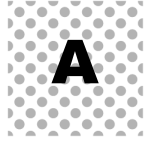
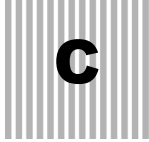
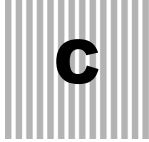
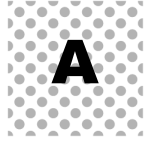
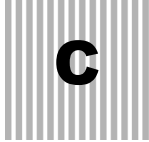
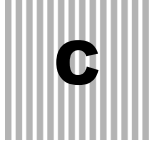
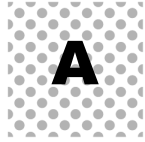
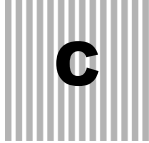
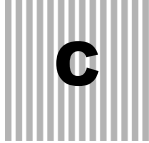
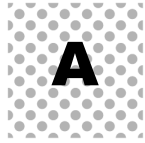
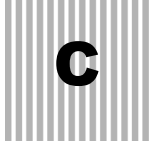
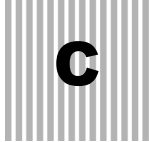
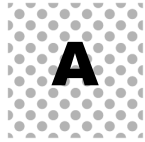
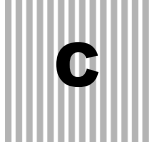
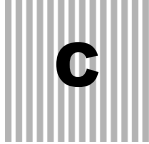
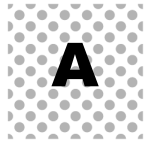
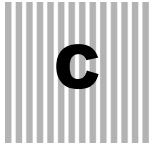
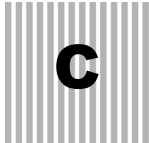
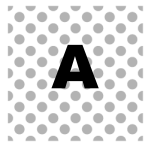
Second Part
of mRNA



Second Part
of mRNA



Second Part
of mRNA

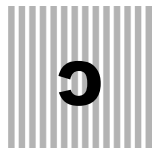
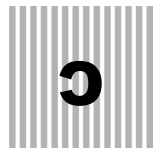
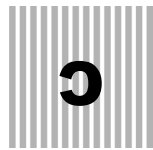
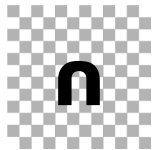
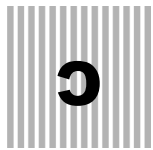
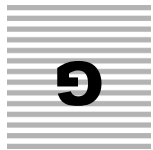
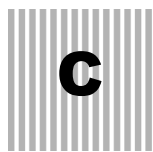
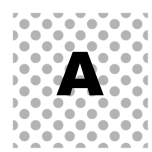
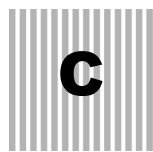
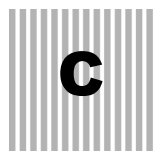
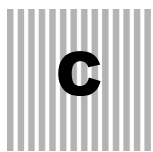
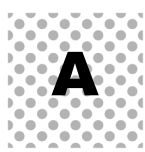
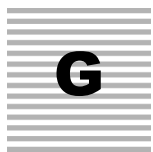
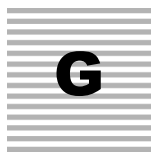


RNA neucleotides - 8 sets

Amino Acid

Amino Acid

Amino Acid



Amino Acid

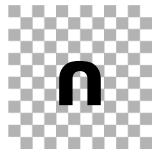
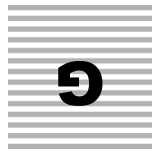
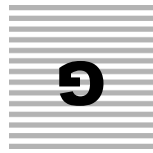
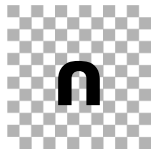
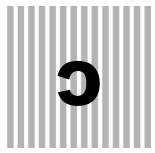
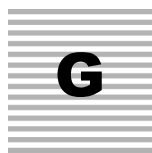
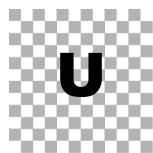
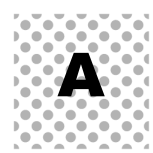
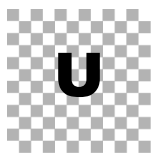
Amino Acid

Amino Acid

Amino Acid

Amino Acid

Amino Acid



Amino Acid

Amino Acid

Amino Acid

Leucine

Histidine

Valine

—

Leucine

Histidine

Valine

—

Leucine

Histidine

Valine

—

Leucine

Histidine

Valine

—

Threonine

Proline

Glutamic Acid

—

Threonine

Proline

Glutamic Acid

—

Threonine

Proline

Glutamic Acid

—

Threonine

Proline

Glutamic Acid

—