

NAME:
HR:

**Color Code for The Double Helix,
DNA Replication, & DNA Transcription**

*Any Title marked with a * - Pencil Grey*

The Double Helix

Deoxyribose - Orange

Phosphate - Purple

Adenine - Red

Thymine - Blue

Cytosine - Yellow

Guanine - Green

Hydrogen Bond – Light Blue

DNA Replication

(use same code as double helix for bases)

DNA Polymerase - Brown

Direction of Synthesis/Transcription - Pink

Hydrolysis – Black

DNA Transcription

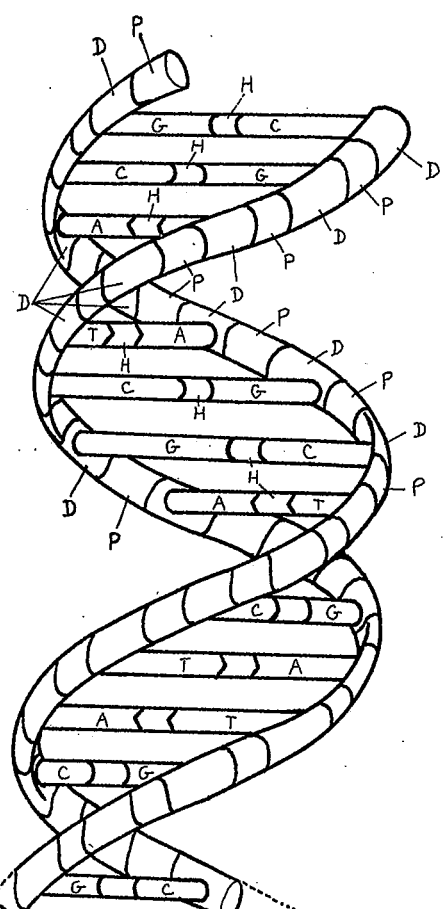
(keep colors the same as previous diagram)

Ribose – Red Orange

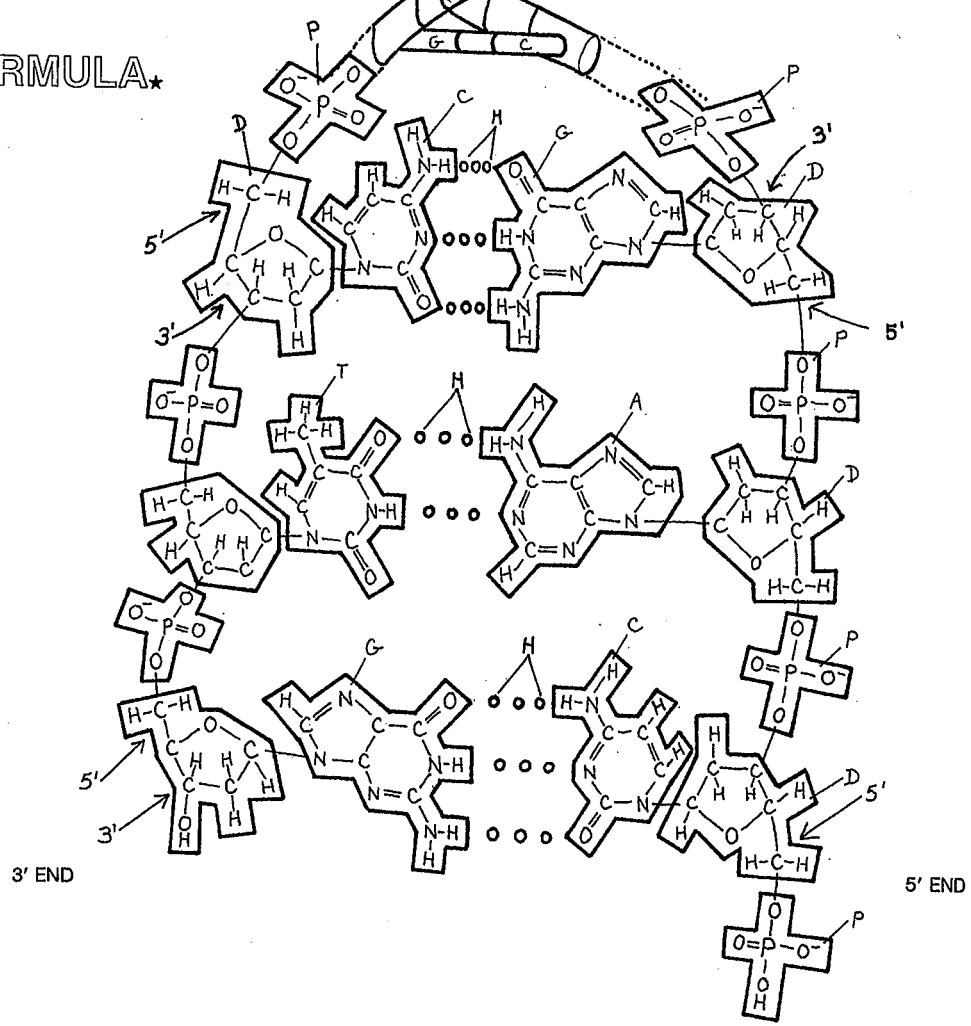
Uracil – Dark Blue

THE DOUBLE HELIX.

- SIMPLIFIED STRUCTURE★
- UPRIGHTS/BACKBONE★
- DEOXYRIBOSE,
- PHOSPHATE,
- RUNGS/BASE PAIRS★
- ADENINE_A
- THYMINE_T
- CYTOSINE_C
- GUANINE_G
- HYDROGEN BOND_H



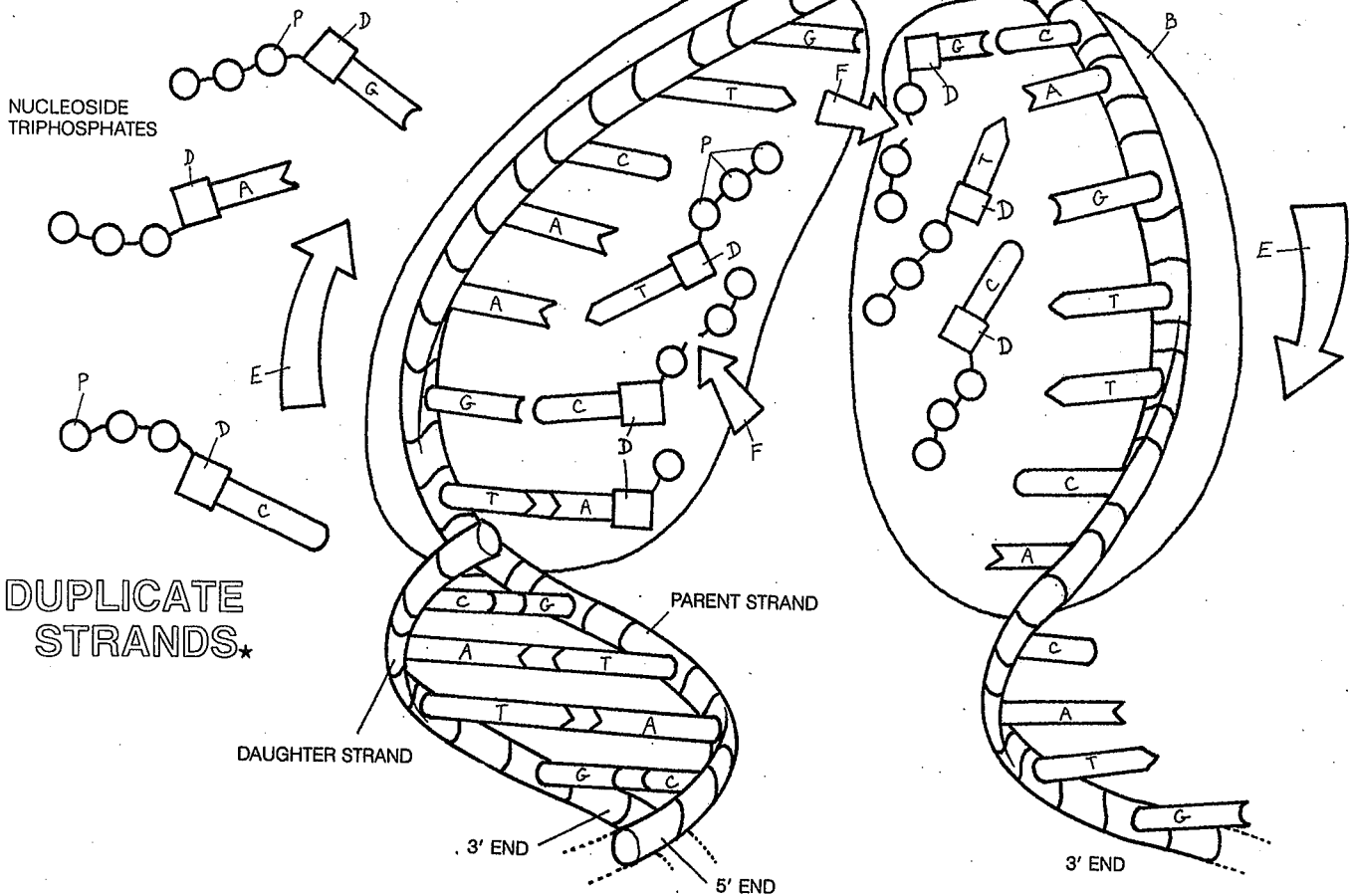
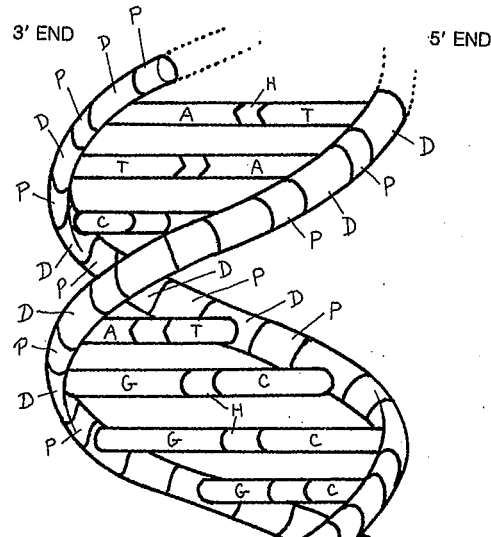
STRUCTURAL FORMULA★



DNA REPLICATION.

DEOXYRIBOSE,
 PHOSPHATE,
 ADENINE,
 THYMINE,
 CYTOSINE,
 GUANINE,
 HYDROGEN BOND_H

UNZIPPING AND
 REPLICATION*
 DNA POLYMERASE,
 DIRECTION OF
 SYNTHESIS,
 HYDROLYSIS_F



DUPLICATE
 STRANDS*

DAUGHTER STRAND

PARENT STRAND

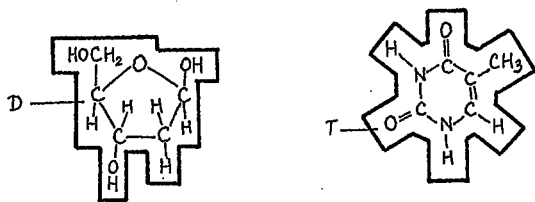
3' END

5' END

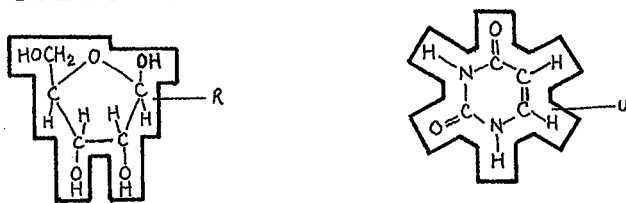
3' END

DNA TRANSCRIPTION.

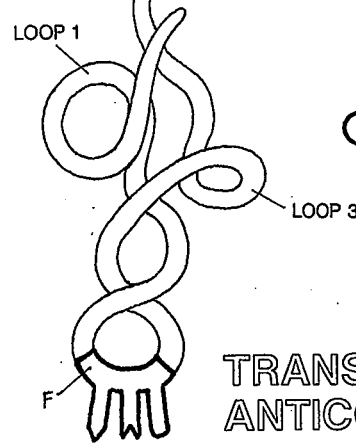
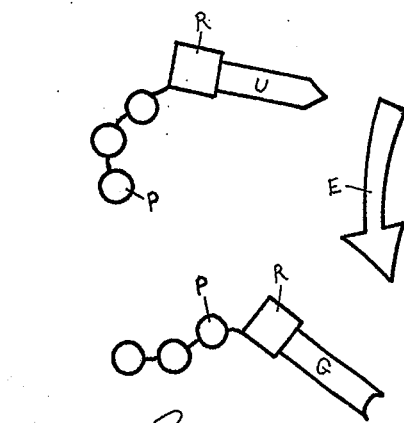
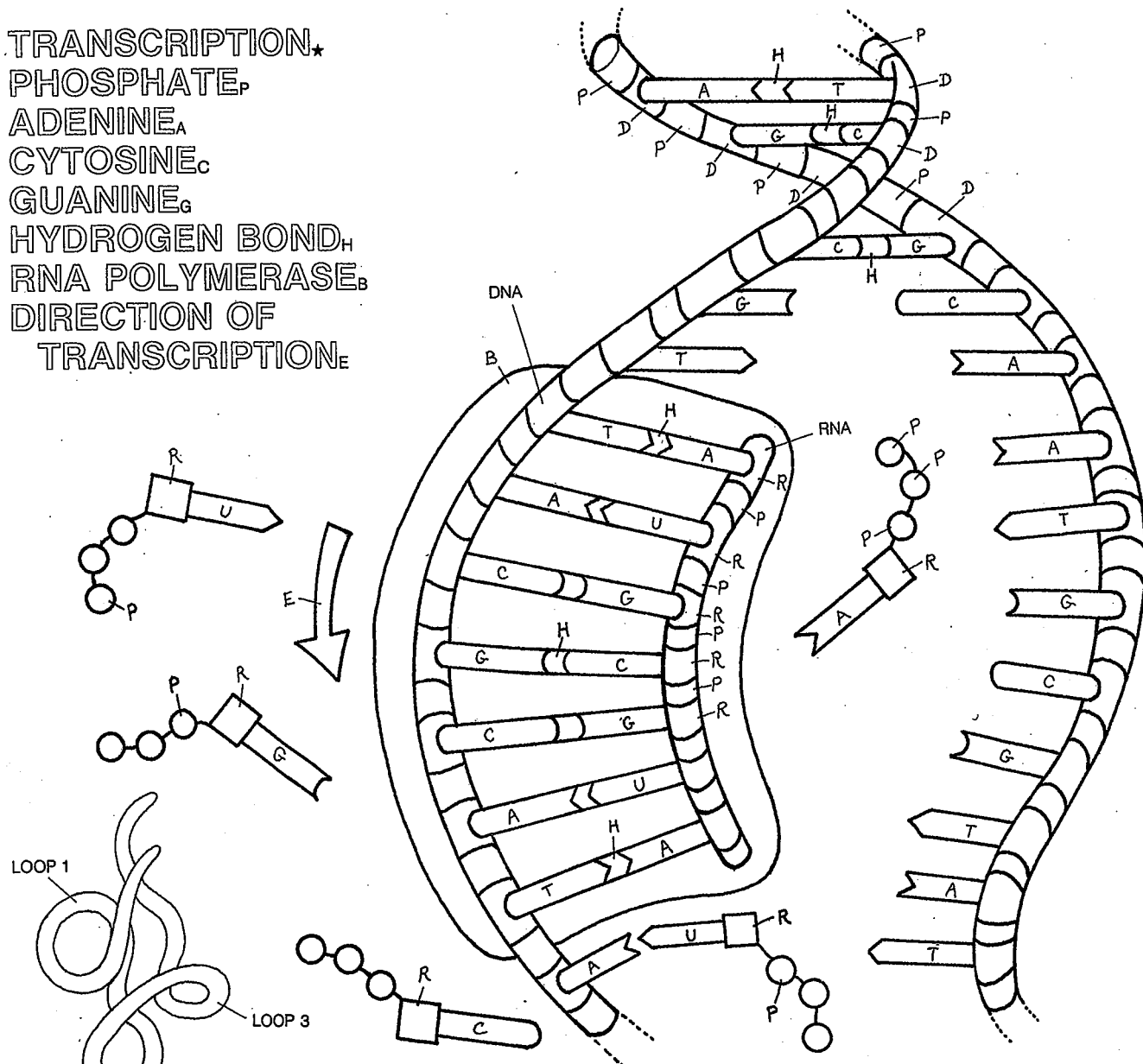
DNA★
 DEOXYRIBOSE_D
 THYMINE_T



RNA★
 RIBOSE_R
 URACIL_U



TRANSCRIPTION★
 PHOSPHATE_P
 ADENINE_A
 CYTOSINE_C
 GUANINE_G
 HYDROGEN BOND_H
 RNA POLYMERASE_B
 DIRECTION OF
 TRANSCRIPTION_E



TRANSFER RNA★
 ANTICODON_F