

# NUCLEIC ACIDS

DNA → RNA → Protein

R

- ribose sugar
- phosphate
- Nitrogen Base

N

Adenine  
Uracil

Guanine  
Cytosine

A

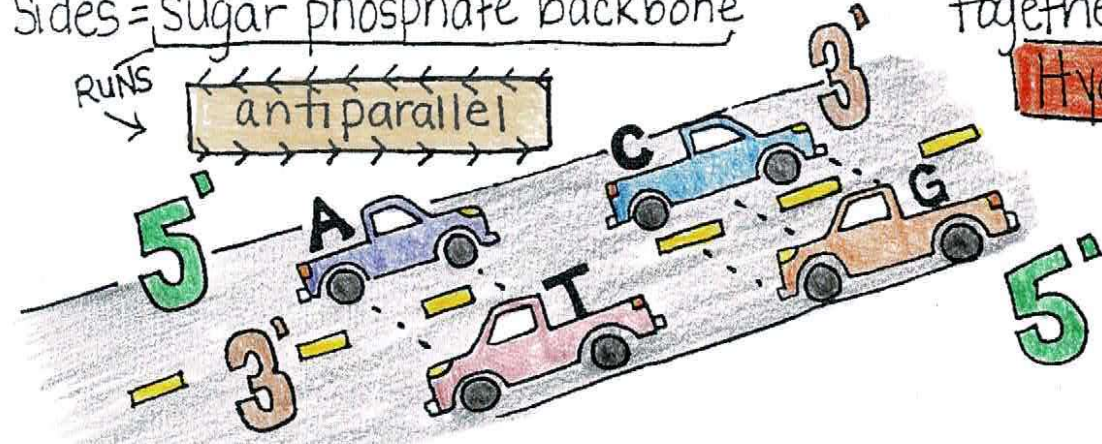
RNA codes for amino acid sequence which codes for proteins

single stranded

DNA LADDER:  
Steps = Bases

Sides = sugar phosphate backbone

Runs antiparallel



MONOMER  
NUCLEOTIDES

DNA

Deoxyribonucleic Acid  
~ molecule of heredity

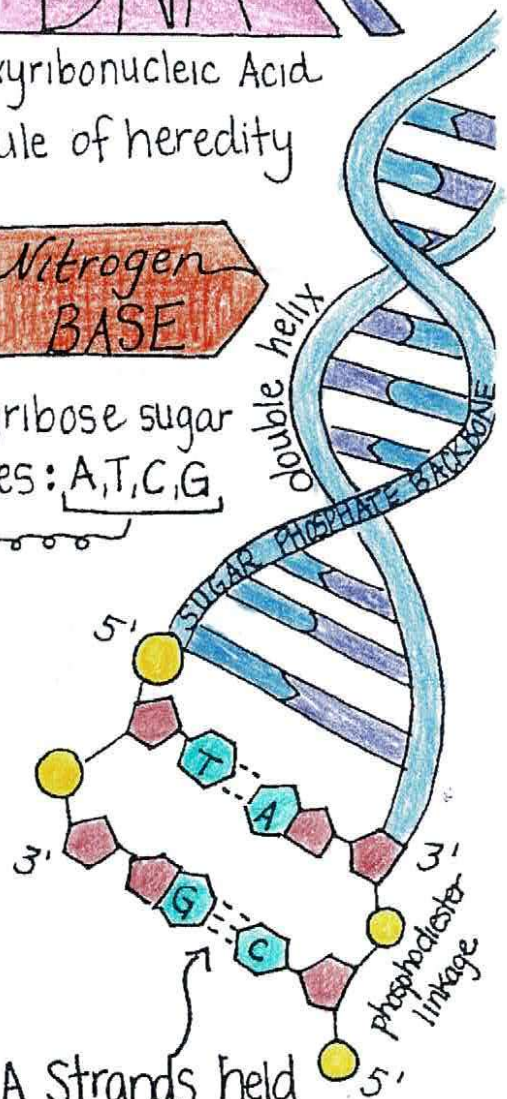
SUGAR  
(Pentose)

Nitrogen  
BASE

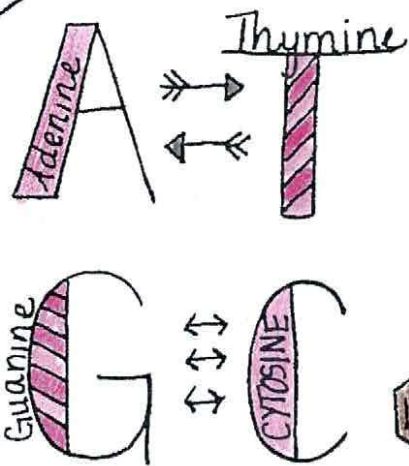
- deoxyribose sugar
- Bases: A, T, C, G

Phosphate  
P

double helix



PYRIMIDINES



DNA Strands held together by

Hydrogen bonds

between complementary bases