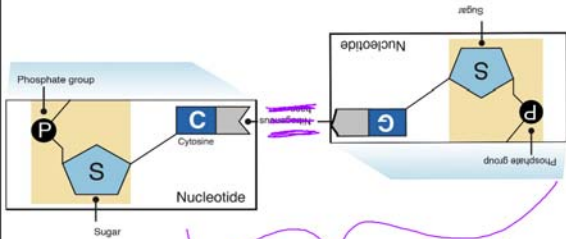


Monomer of DNA= Nucleotide

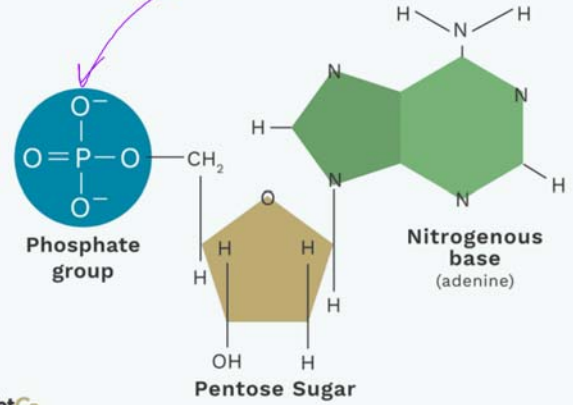
- 5 Carbon Sugar (Deoxyribose)
- Phosphate
- N Base (A, T, G, C)



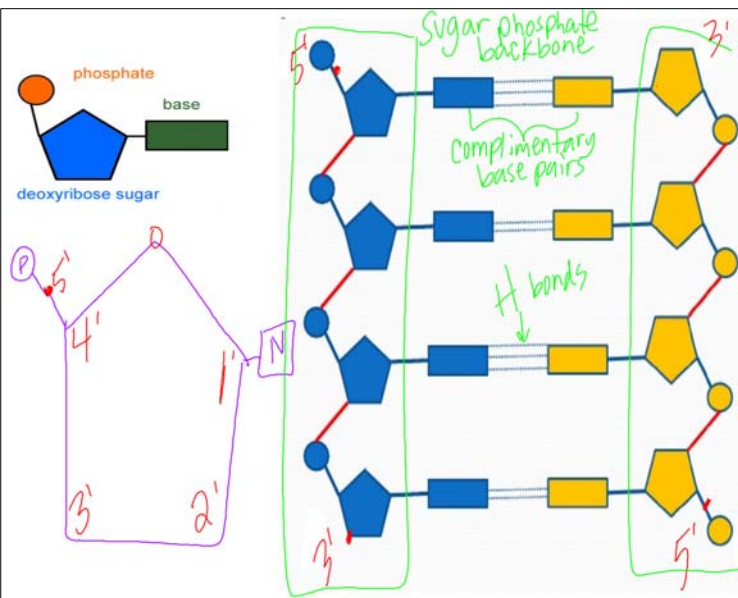
anti-parallel

Charge of DNA: Negative

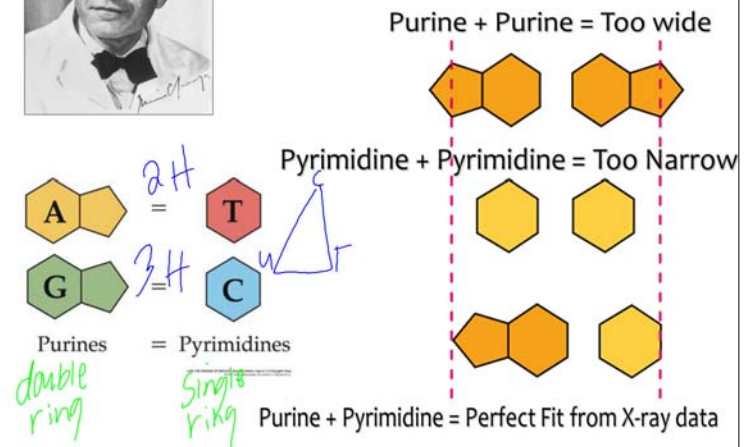
3 Parts of a Nucleotide

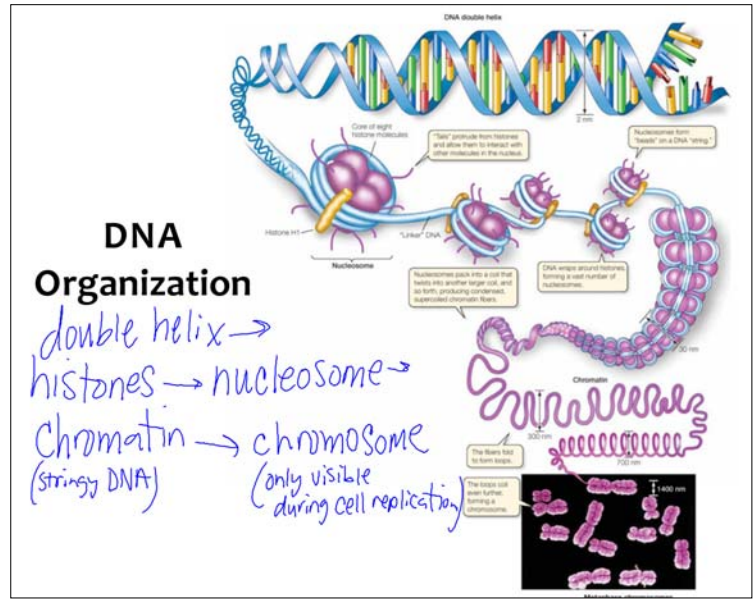
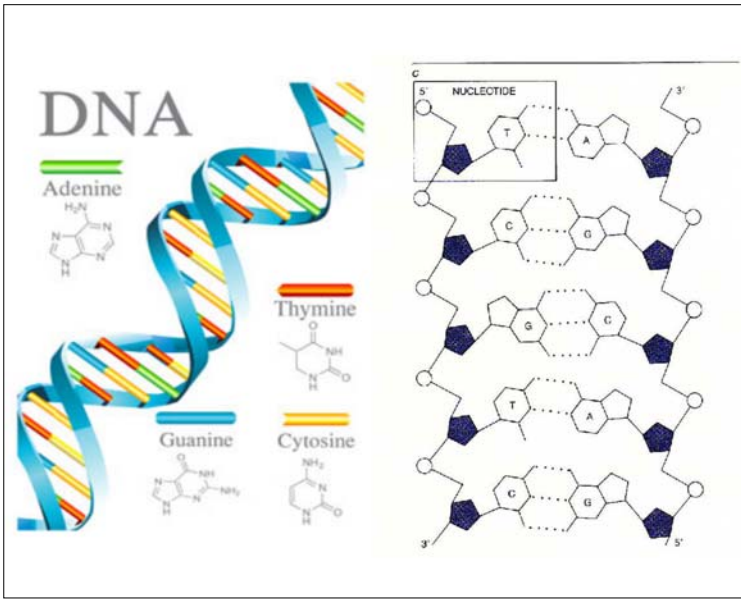


ThoughtCo.



1949: Chargaff's Rule
In DNA, $A = T$; $G = C$





Restriction Enzymes:

cut/cleaves DNA @ specific recognition sites

ATTGCC
TAACGG

10,000 bp | 10 bp

Blunt cut

CCTGGA
GGGCCCT

Sticky ends

Gel Electrophoresis:

Separates DNA fragments (from restriction enzymes) by size (weight)

RFLP's

DNA samples loaded into wells
 Power is turned on and DNA fragments migrate through gel.
 The fragments are separated by size.

