



Chargaffs rule of DNA composition

DNA has equal number of adenine and thymine residues (A=T) and equal number of guanine and cytosine (G=C) residues. This is known as Chargaffs rule of molar equivalence between purine and pyrimidines in DNA.

Structure of Nucleotides

Nucleotides are the fundamental units of nucleic acids. Each nucleotide is comprising of a

- i) Phosphate group
- ii) Pentose Sugar and
- iii) Nitrogenous base.

Sugar + Base \longrightarrow Nucleoside

Nucleoside + Phosphate \longrightarrow Nucleotide