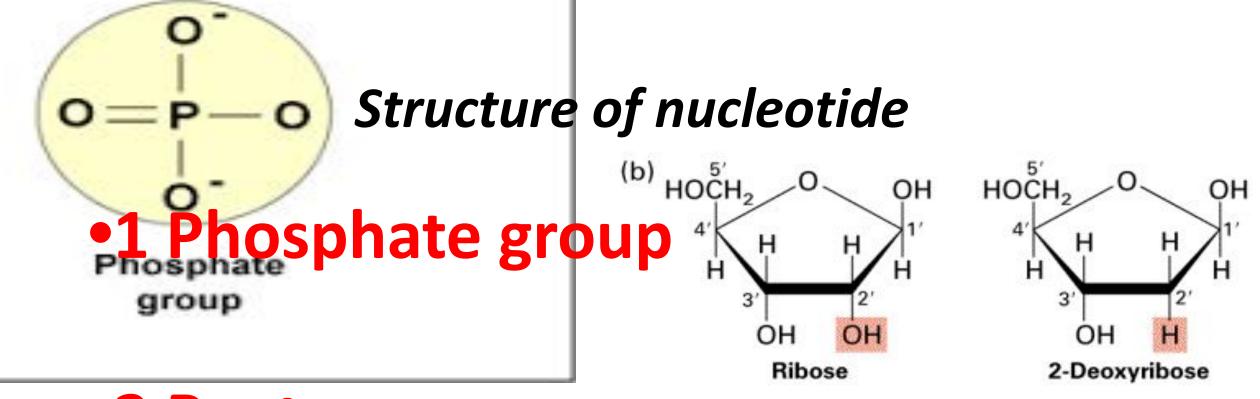
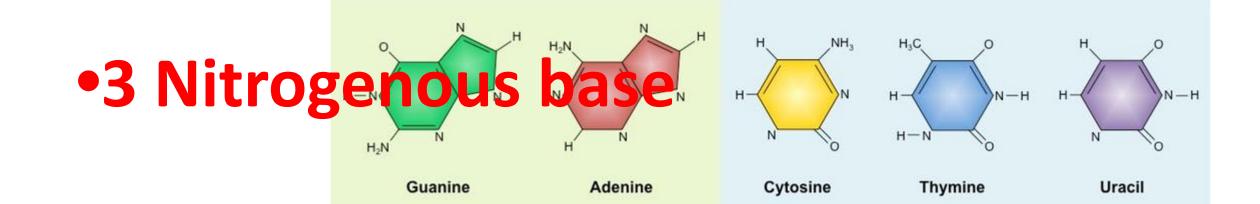
## **NUCLEIC ACIDS**

#### **NUCLEIC ACIDS**

- •Nucleic acids contain C, O, H, N, and P.
- •They are master molecules of cell.
- •Plays crusial role in regulating cell activity
- •They are very *large polymers*, which consists of *monomers* called nucleotide.



•2 Pentose sugar

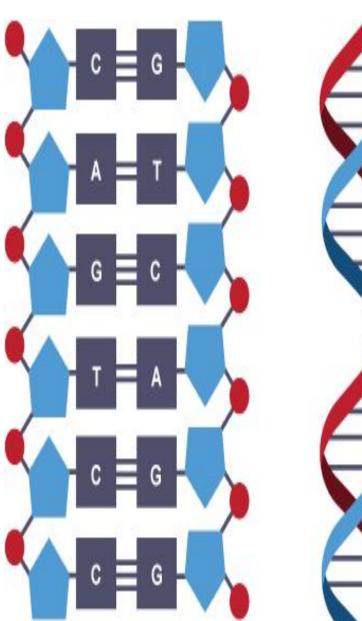


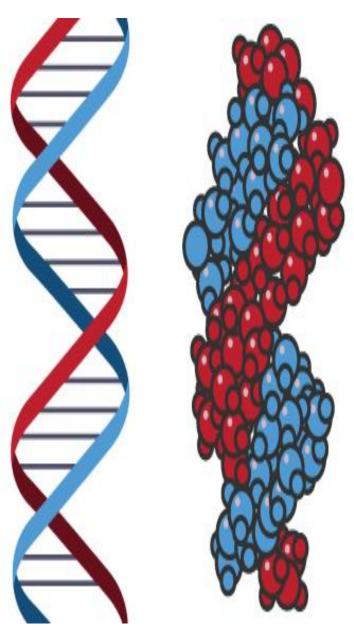
# TYPES OF NUCLEIC ACID

- DNA(Deoxyribosic NA) RNA(Ribonucleic acid)
- •Double helix Single stranded
- •Nitrogenous bases: Nitrogenous bases:
- •A, G, C and THYMINE A, G, C and URACIL

### DNA

- •Storage genetic information
- Regulation of protein synthesis and RNA





### **RNA**

Cytosine

Guanine

Adenine

Nucleobases

helix o

- Synthesized from DNA
- Messenger RNA(mRNA) carries information from DNA to ribosome
- •Ribosomal RNA(rRNA)- participates in the structure of ribosome
- Transfer RNA(tRNA)- brings needed amino acids to the ribosome sugar-phosphates

