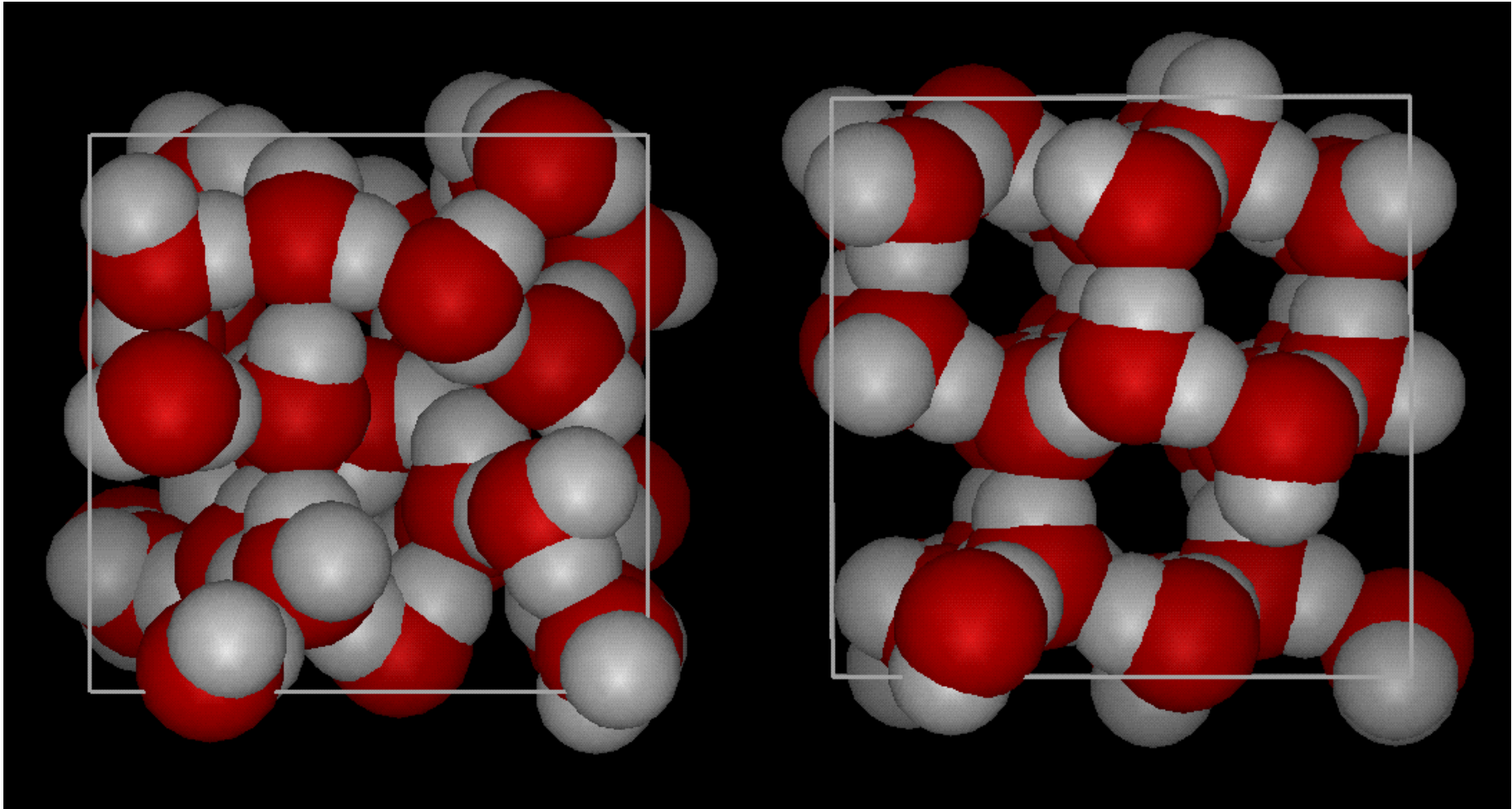


# Structural Components of Living Matter

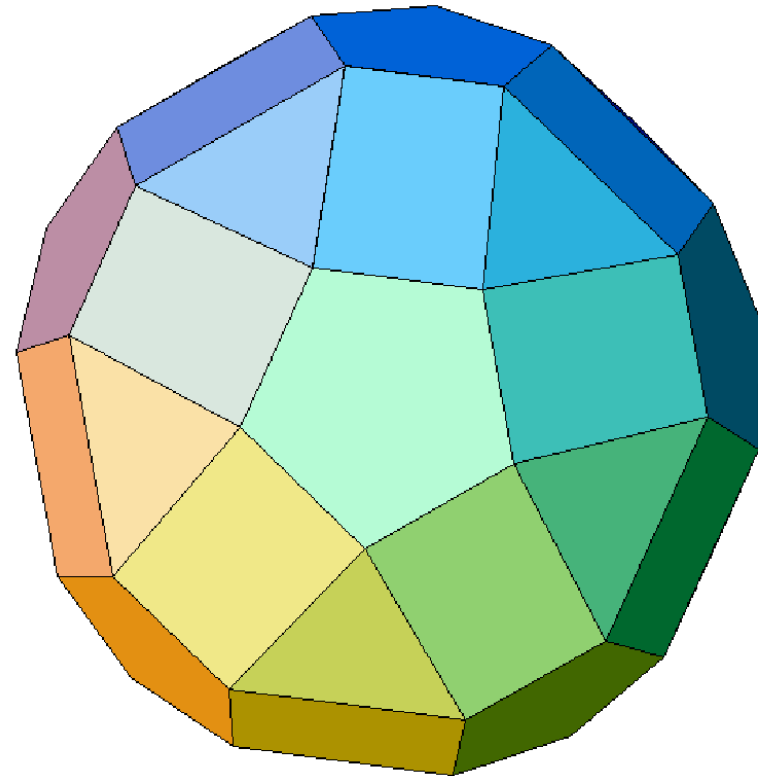
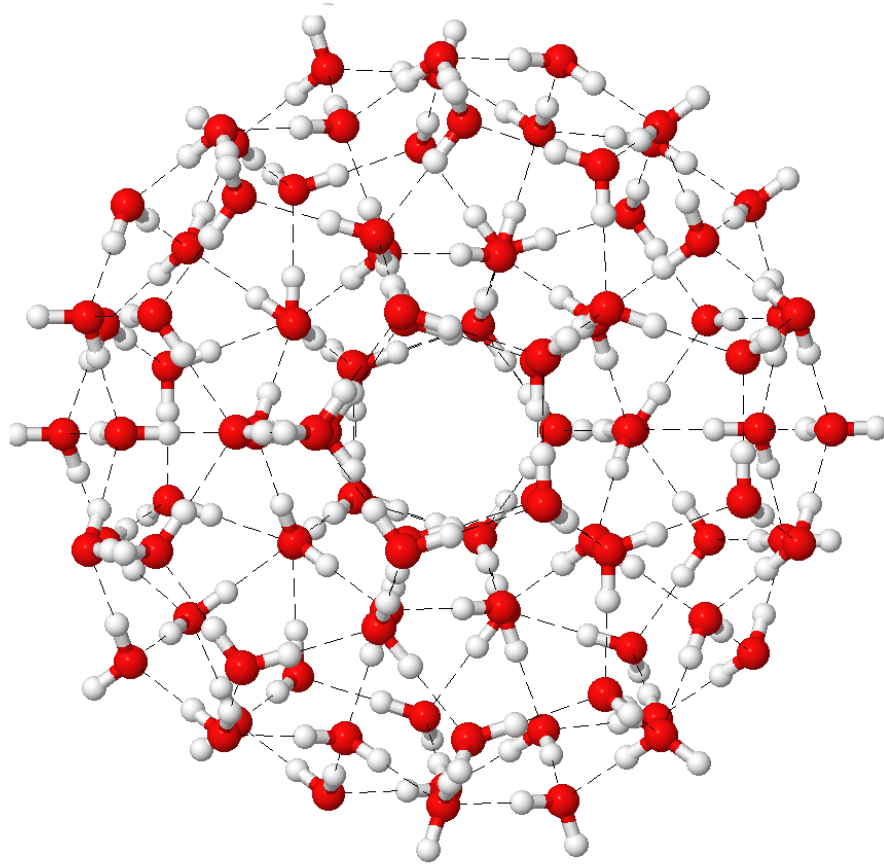
Figure supplement

# 1. Size of water molecules



<http://www.edinformatics.com/>

## 2. Water cluster

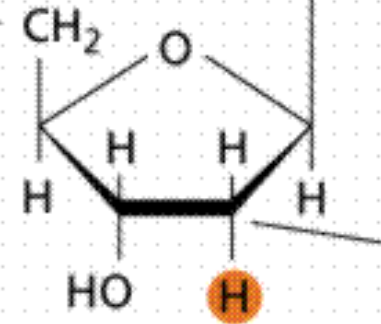
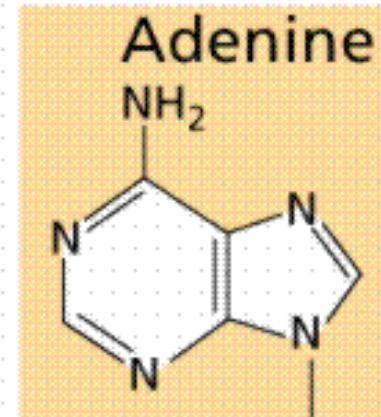
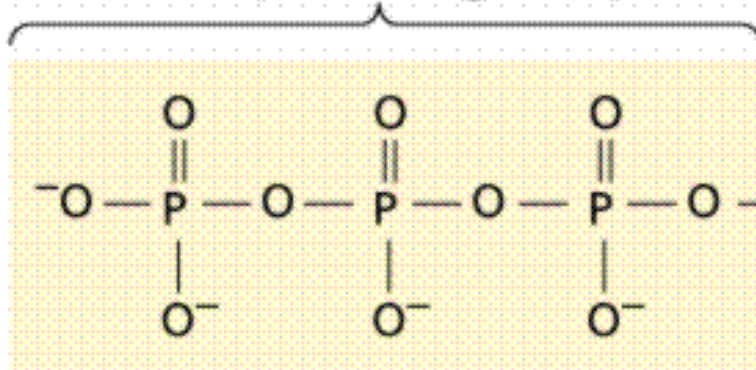


### 3. Nucleotide structure

Deoxy-ATP

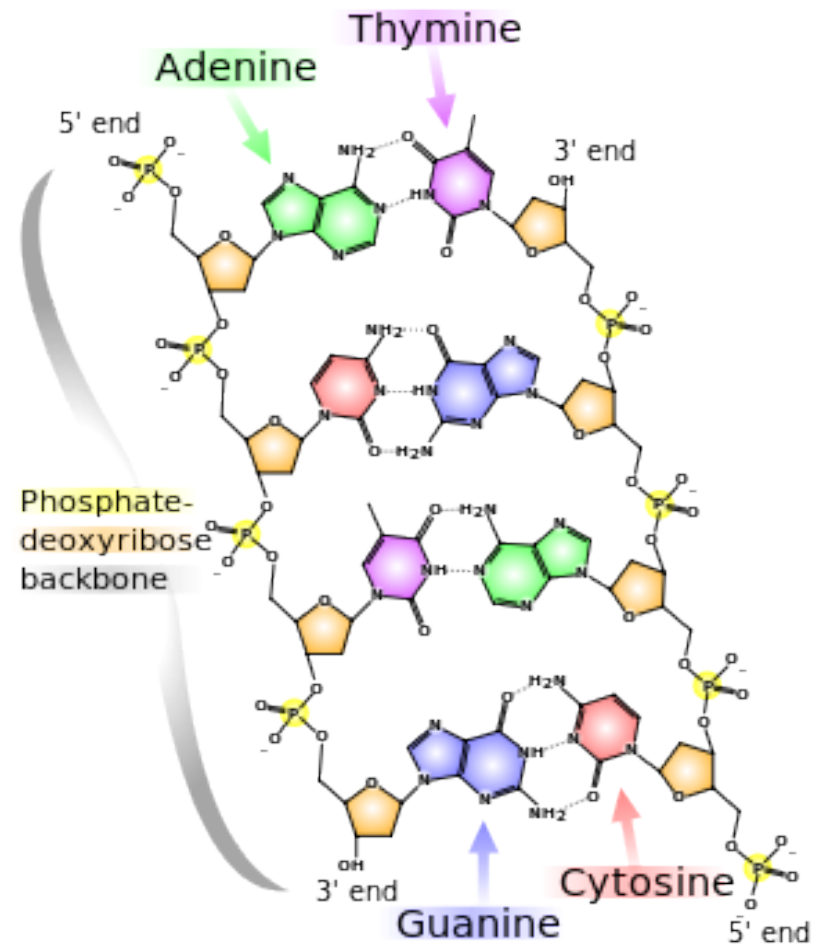
(deoxyadenosine triphosphate)

Phosphate groups

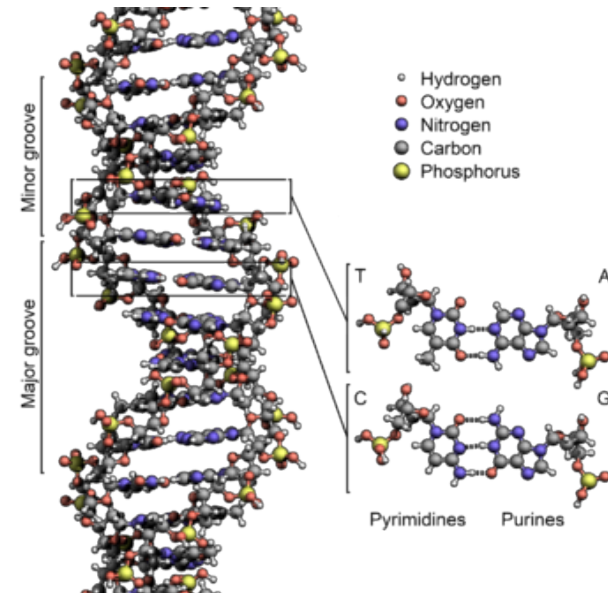
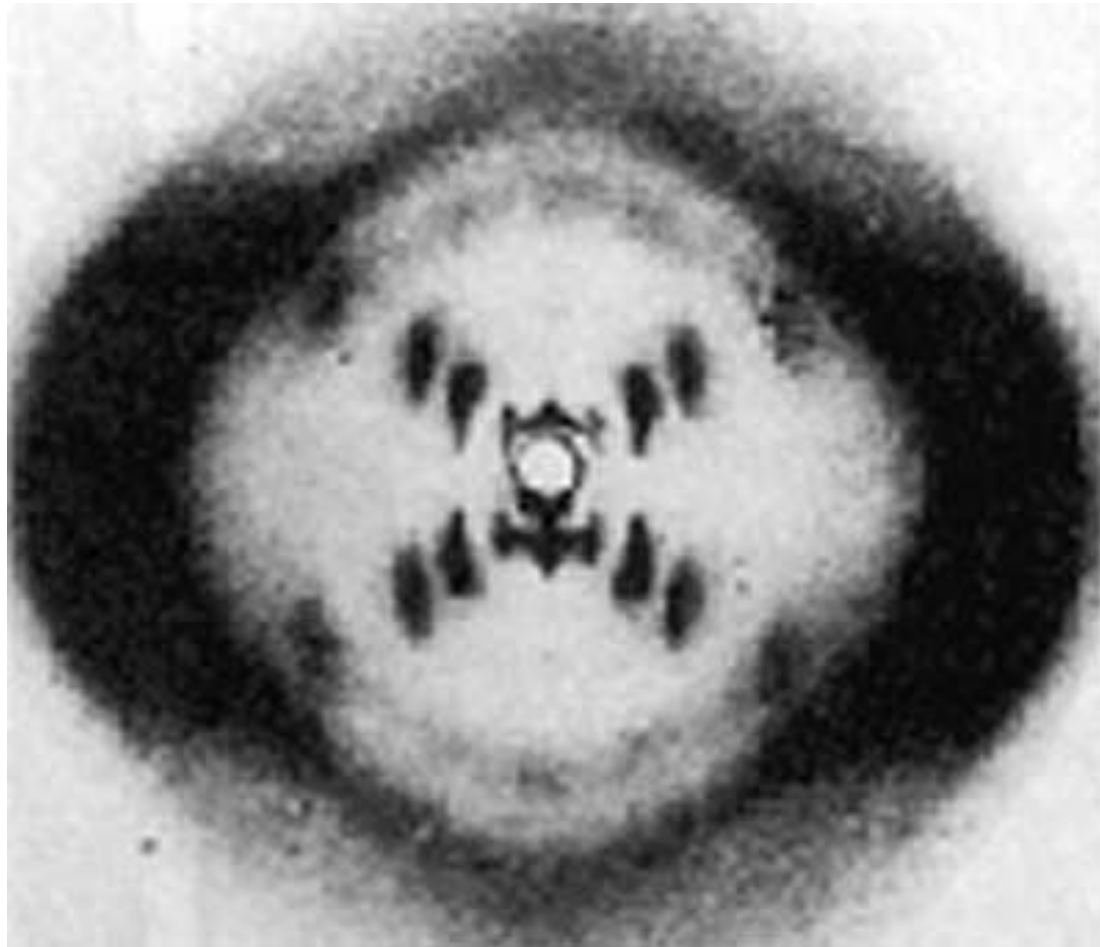


Deoxy-ribose sugar

## 4. DNA base pair formation rules

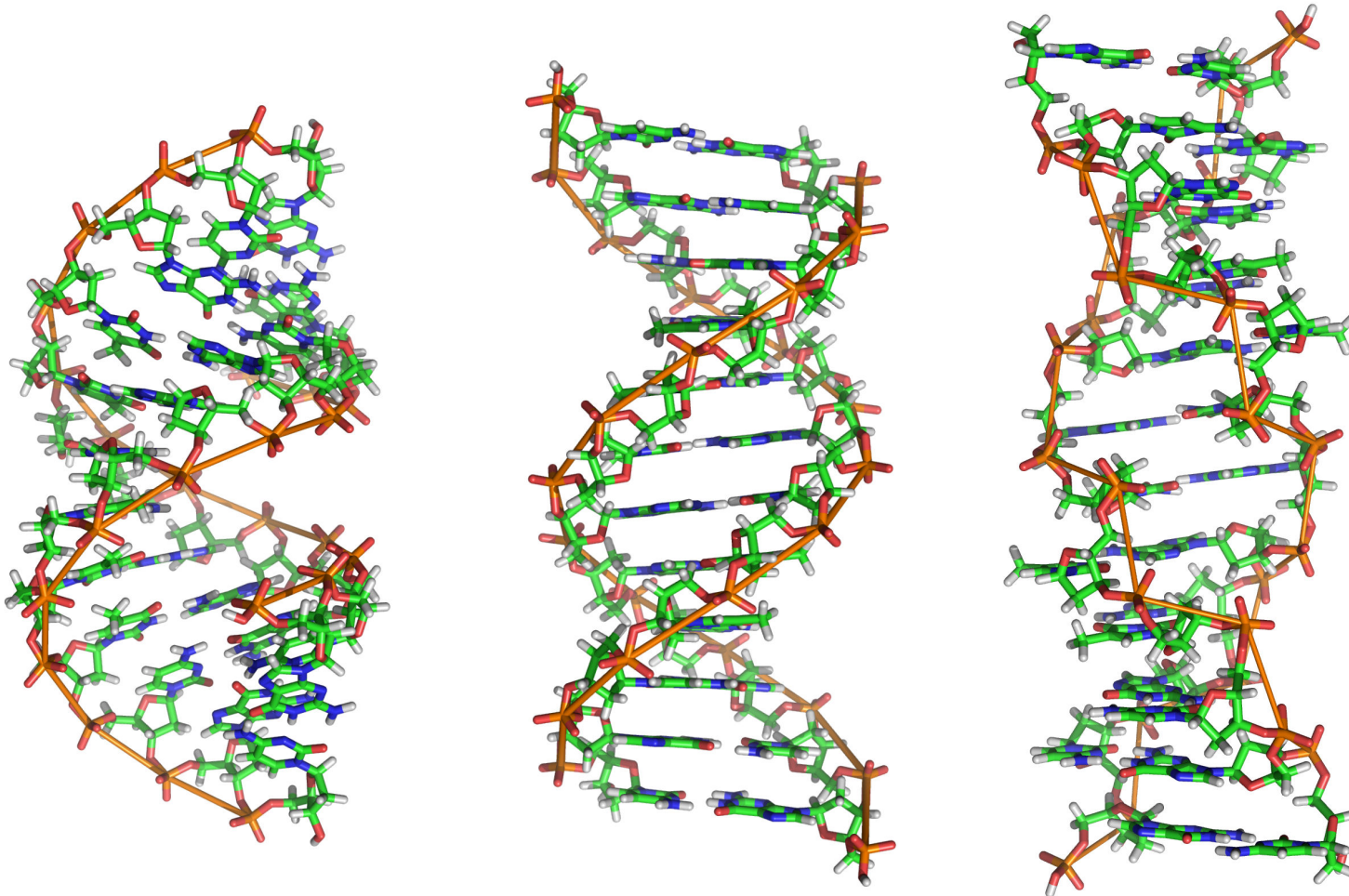


## 5. DNA diffraction image

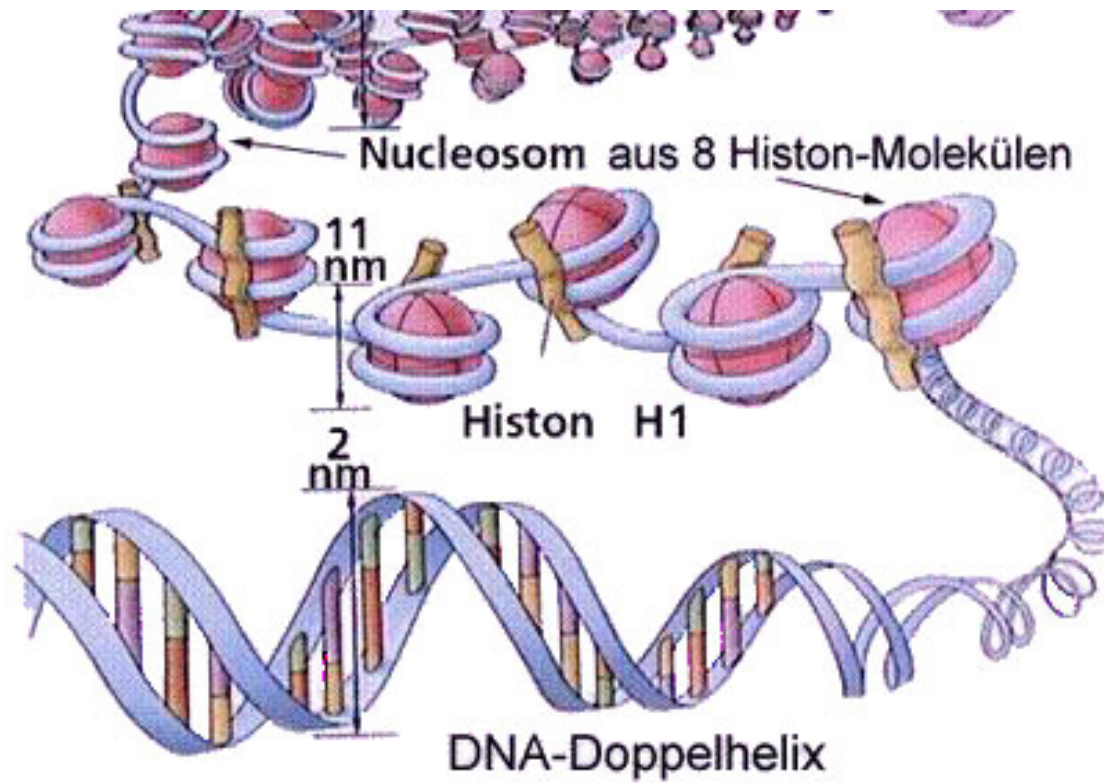




## 6. A, B, and Z DNA

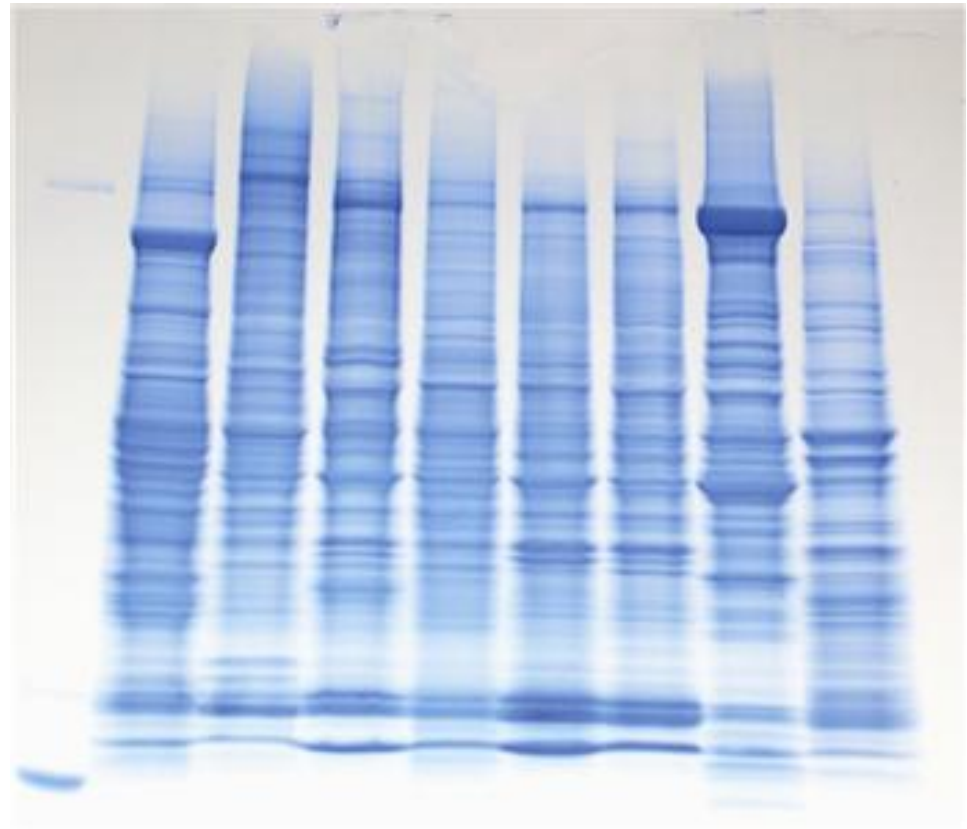
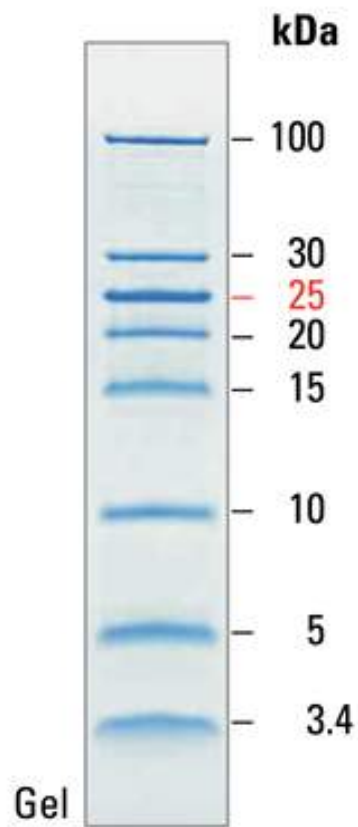


## 7. DNA superhelix

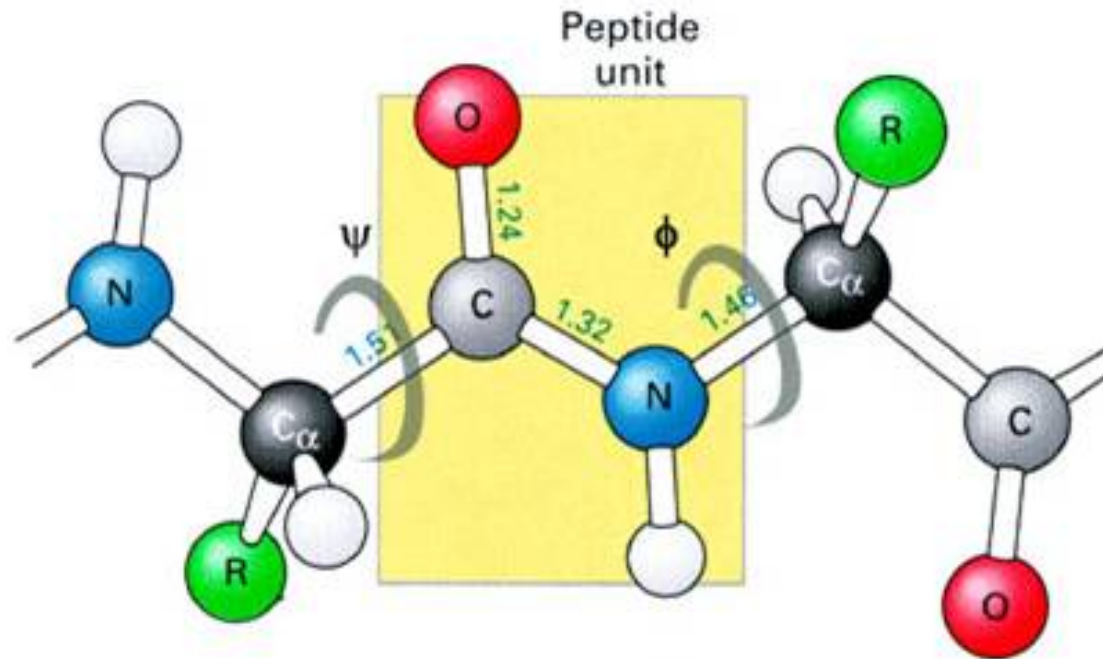




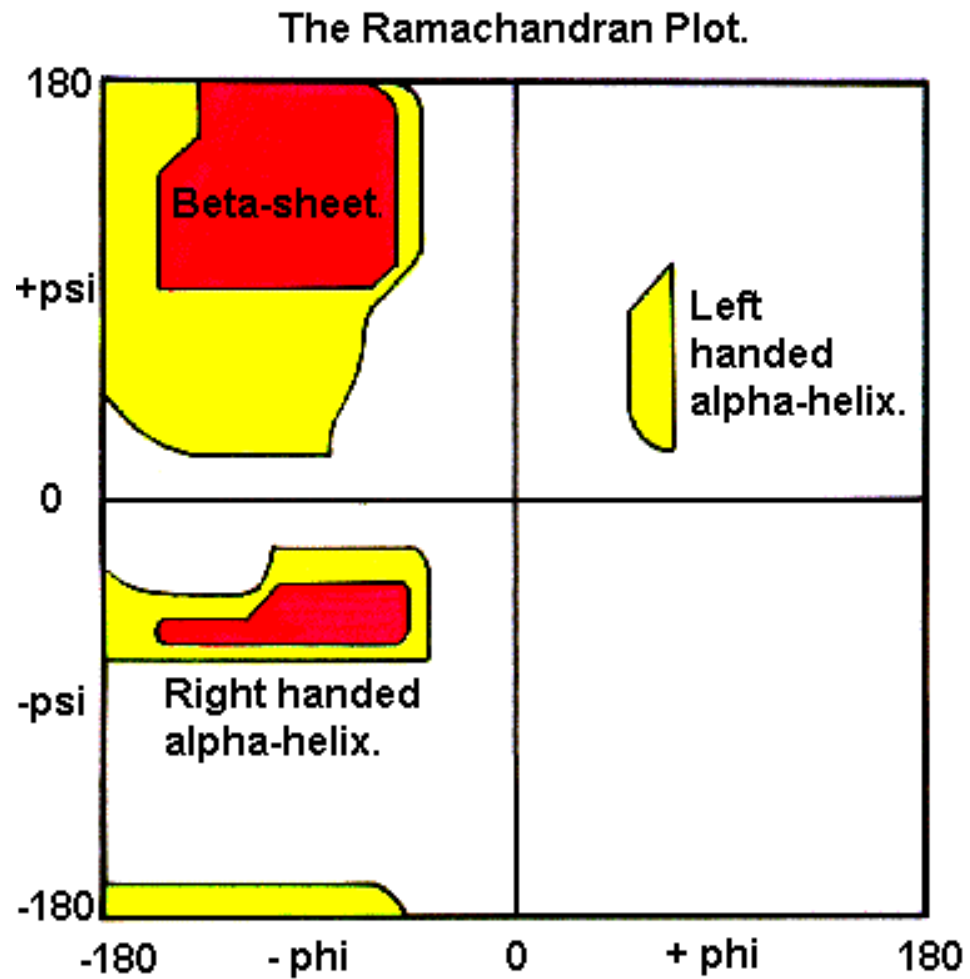
## 8. Determination of proteins size



## 9. Dihedral angles in polypeptides

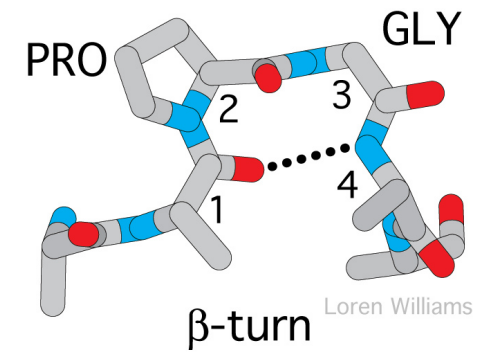
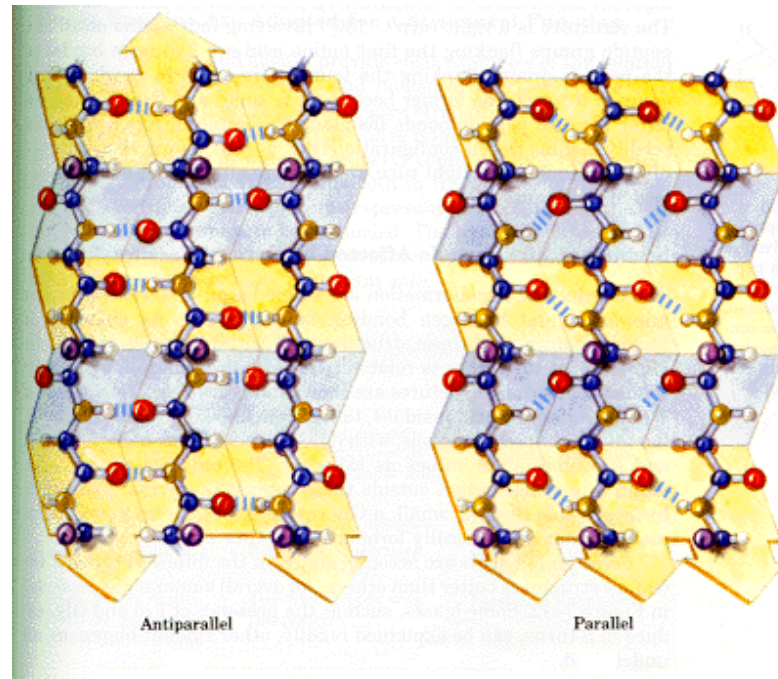
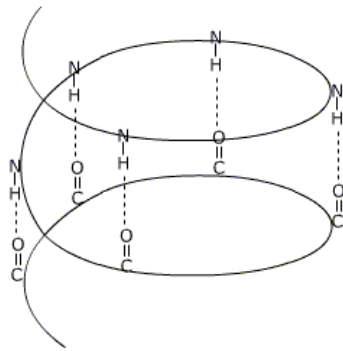


# 10. Ramachandran plot

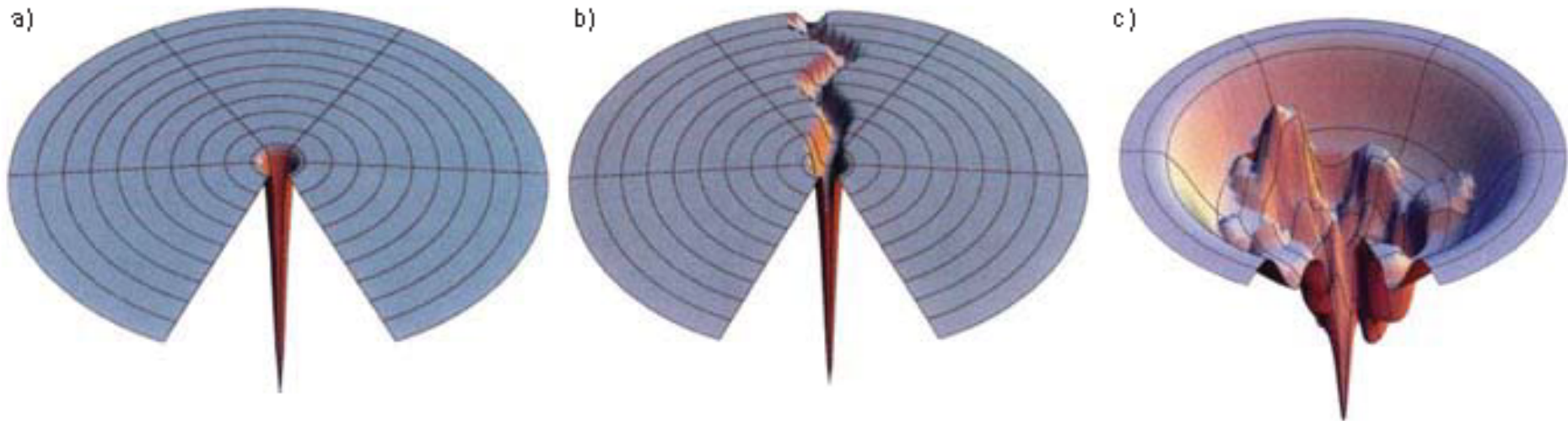


# 11. Secondary protein structure

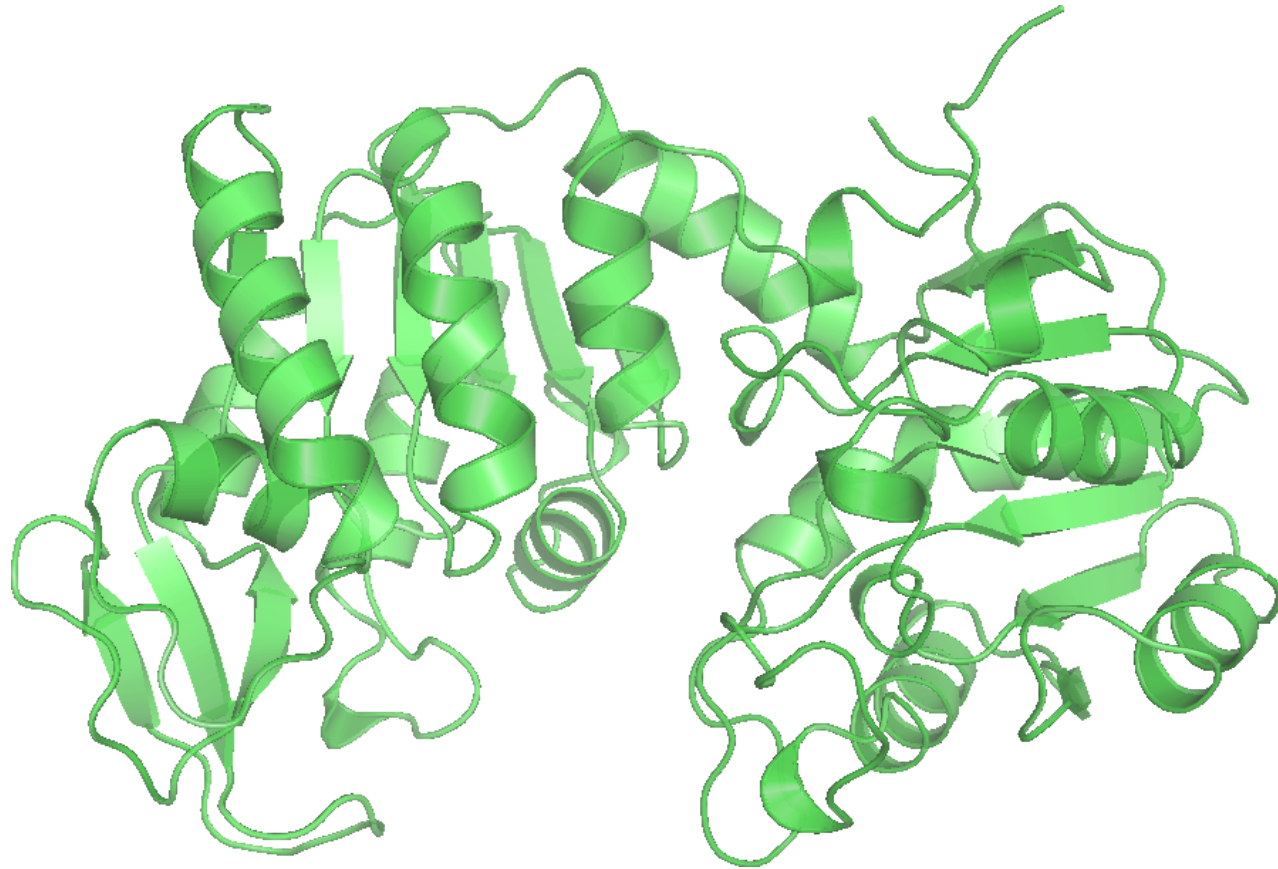
H - bonds in  $\alpha$  - helix



## 12. Protein folding pathway



# 13. Tertiary protein structure





# 14. Quaternary protein structure

