Definition of molecule. ← Proteins are sticky.

My defn of chem. bond. Diss^n if config^n is retained - otherwise decomposition.

Shape of molecule.

Forces between molecules. 1 covalent bond — S-S
S-Hg-S

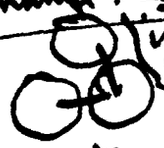
Jim Watson - helix of TMV
31 units in 3 turns 38Å

General helix

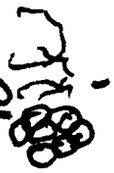
Small change - 1 A, 1 $Å^{-1}$.
Unfolding, removal of chain, of O_2, etc.

Types of polymers
& Types of denaturation

Large change. Last step is complete unfolding

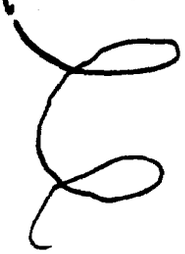


Seeds - Several units may be needed before maximum stability is achieved.



Finite - helix stops because of steric hindrance.

Open helix may give liquid crystals



Tight helix may give crystals

Helix may be stabilized by coil-coil attraction or chance

How polypeptide chain gets around corners.

Some elasticity

Double or multiple helixes - tubes

Coil (myosin?) may be extensible + contractible. May not be related to muscle contraction. Meyer + Mark 1958

Katchalski & Kuhn - synth. pol.