Definition of molecule: Proteins are sticky. 
May be chemically modified by heat, enzymes, denaturation, decomposition.

Shape of molecule:


Jim Watson - helix of TMV
31 units = 3 turns

Types of polymers
- Types of denaturation

General helix
- Small changes: 1A, 1B.
- Unfolding, removal of
- Large change, denaturation
- Complete unfolding

Seeds: Several units may be needed before
- Maximum stability is achieved

Open helix
- May give liquid crystals

Tight helix
- May give crystals

Helix may be stabilized by:
- "Side" - side attraction or charge

How polypeptide chain gets around others.

Some elastin - multiple helices - tubes

Coil (myosin?)
- May be extensible + contractile
- Not related to muscle contraction

Kochelaki a Kuhn - mult. hel.