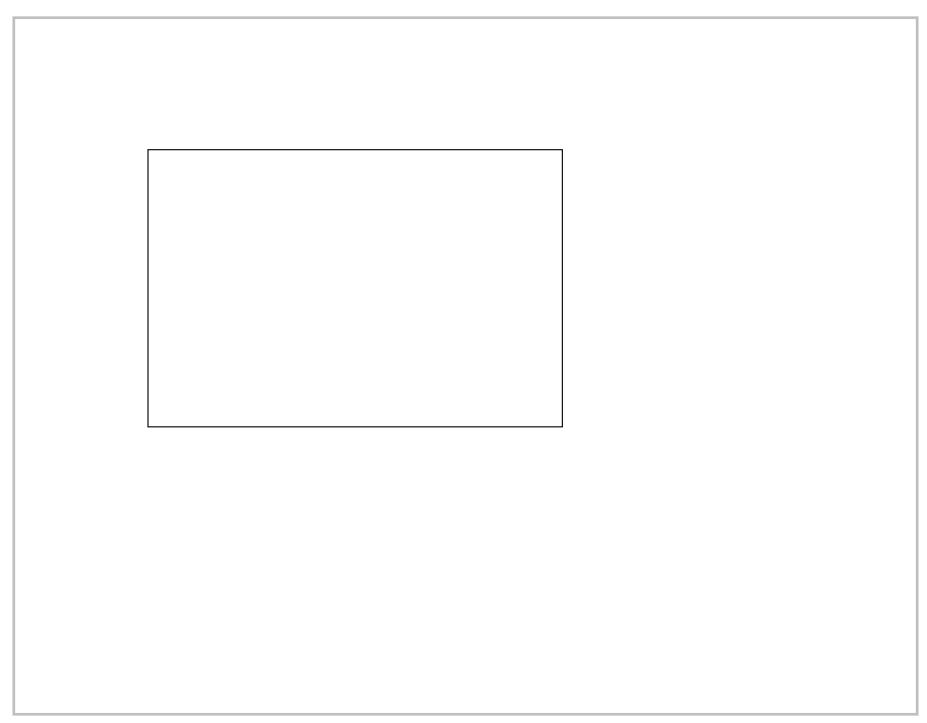
amino acid R = alkyl chain
or a hydrogen A peptide bond is formed via covalent binding of the carbon atom of the Carboxy group of one amino acid to the nitrogen atom of the amino group of another amino acid by dehydration.

Title: Apr 3 - 12:34 PM (2 of 21)

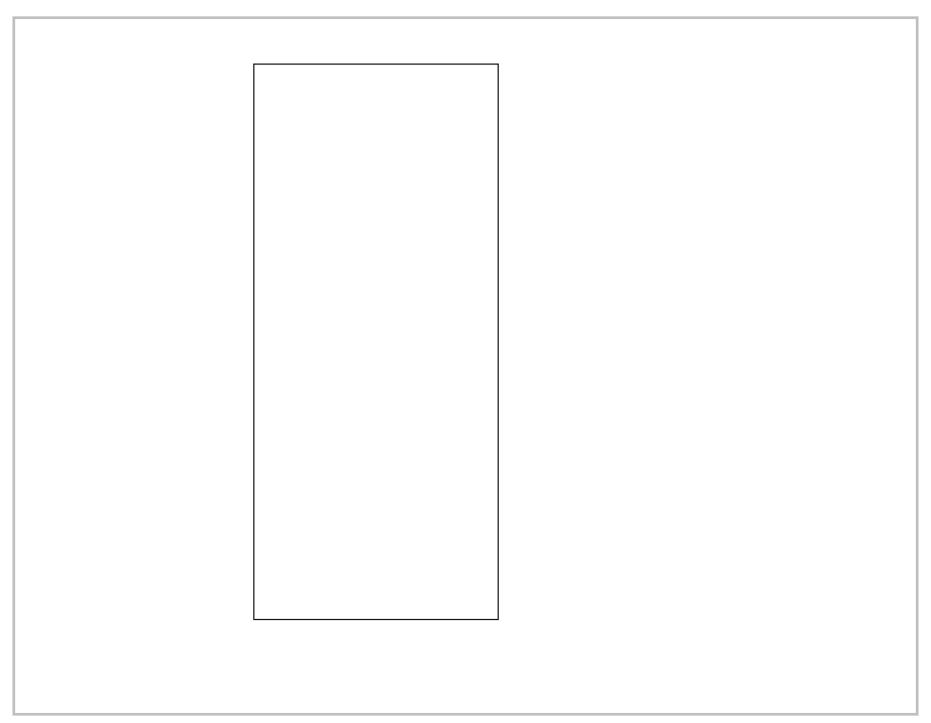
Title: Apr 3 - 2:10 PM (3 of 21)



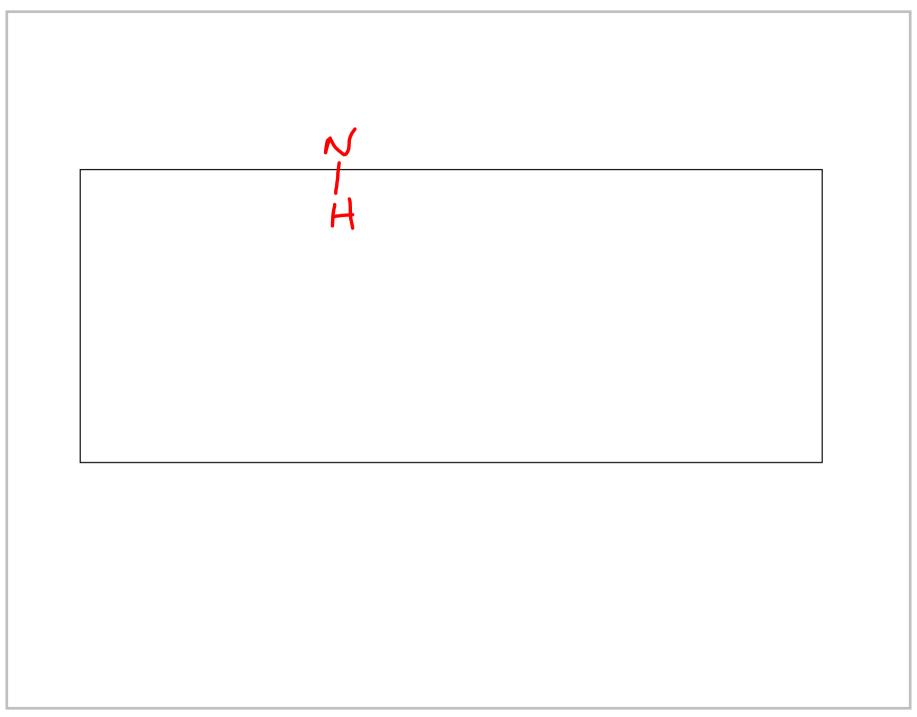
Title: Apr 3 - 12:32 PM (4 of 21)

Secondary Structure is a local regulary occuring structure in proteins and is mainly formed through hydrogen bonds between backbone atoms. So-called random coils, loops or turns don't have a stable secondary structure. There are two types of stable secondary structures: Alpha-helices and beta-sheets. Alpha-helices and beta-sheets are preferably located at the core of the protein wereas loops prefer to reside in outer regions

Title: Apr 3 - 12:22 PM (5 of 21)



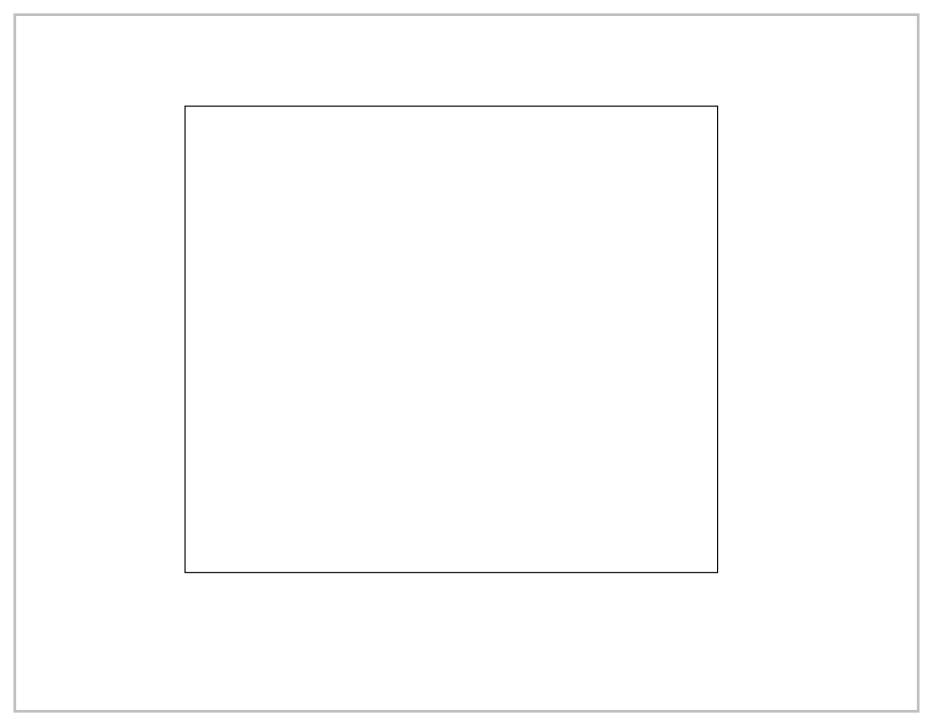
Title: Apr 3 - 12:18 PM (6 of 21)



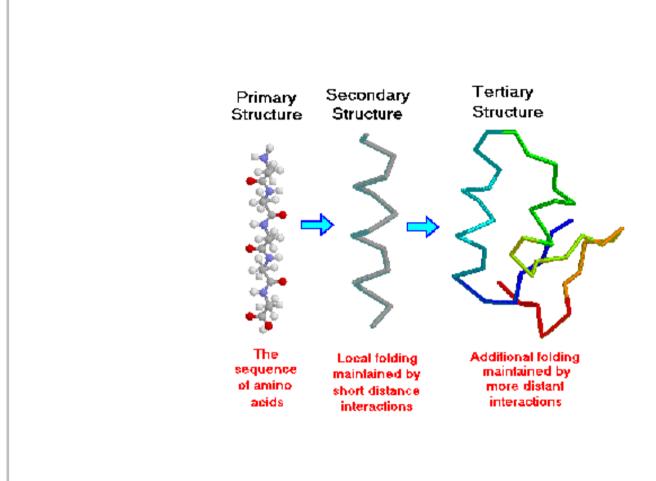
Title: Apr 3 - 12:19 PM (7 of 21)

Tertiary structure describes the packing of the alphahelices, beta-sheets and random coils with respect to each other on the level of one whole polypeptide chain.

Title: Apr 3 - 12:28 PM (8 of 21)



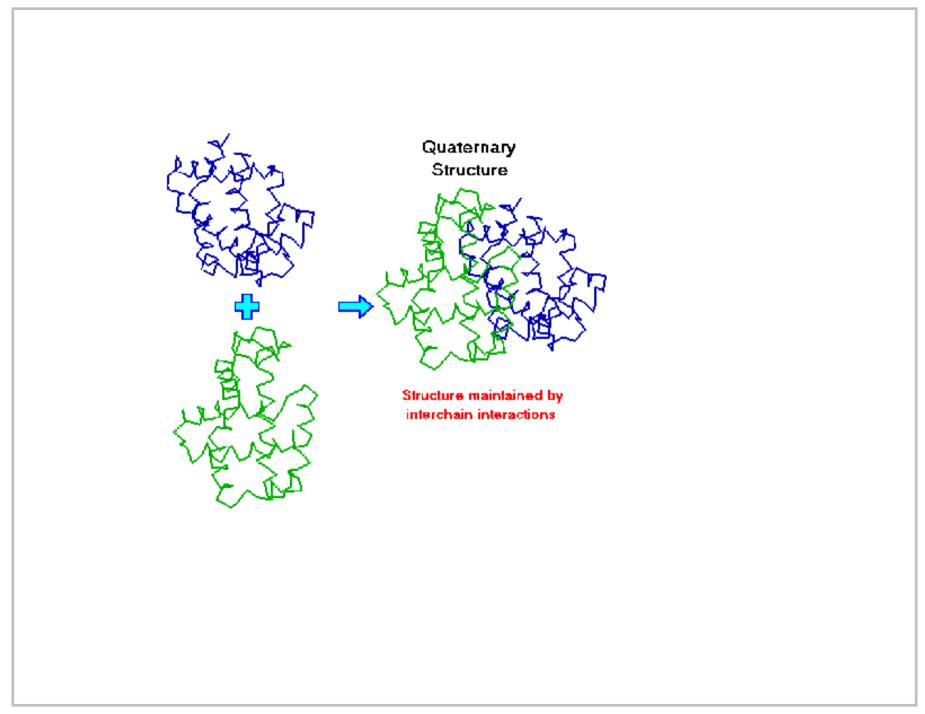
Title: Apr 3 - 12:19 PM (9 of 21)



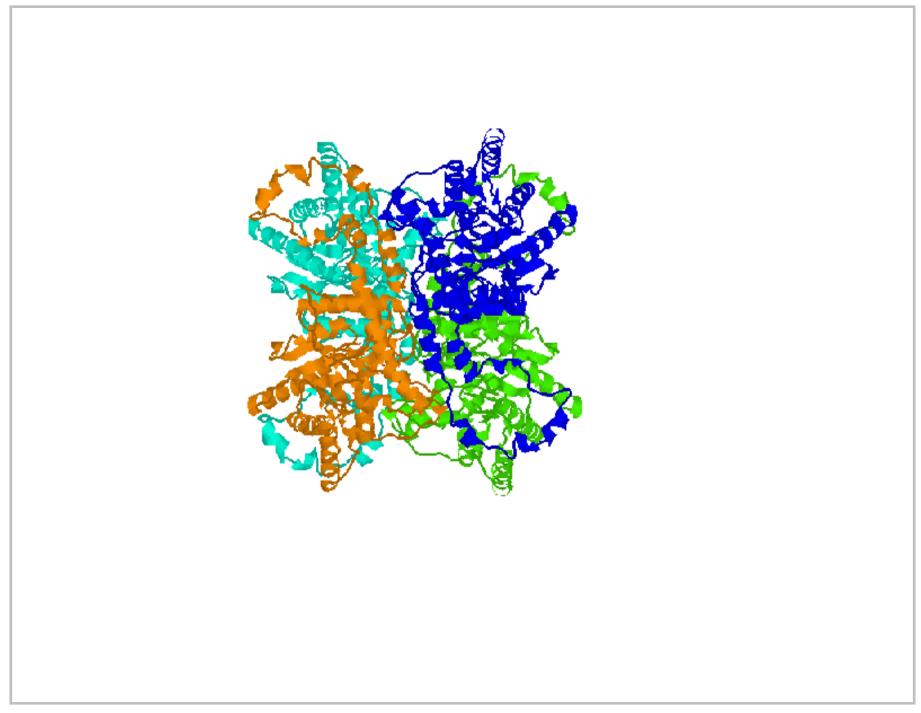
Title: Apr 5 - 12:46 PM (10 of 21)

Quaternary Structure the combination of two or more chains, to form a complete unit. The ineractions between chains are not different from those in tertiary structures, but ar distinguished only by being interchain rather than intrachain.

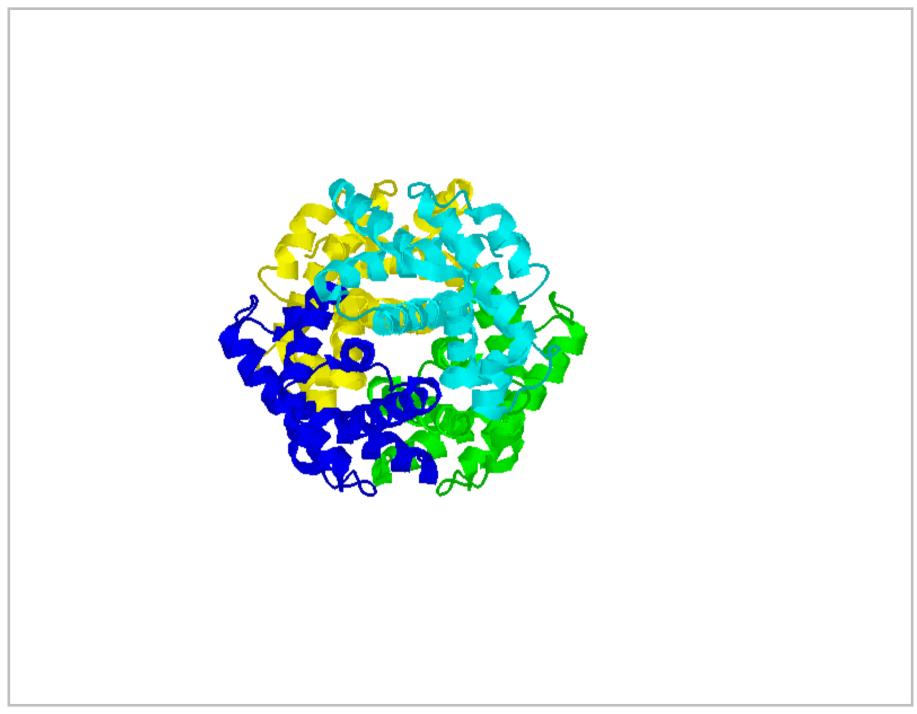
Title: Apr 5 - 12:49 PM (11 of 21)



Title: Apr 5 - 12:47 PM (12 of 21)



Title: Apr 5 - 12:54 PM (13 of 21)



Title: Apr 5 - 12:57 PM (14 of 21)

Radiation Lab Distillation Lab 24th Test III Lah-Lab May 1st

Title: Apr 5 - 1:41 PM (15 of 21)

May 8th 1:30-4:00 Tues.

6. N.P.A.B

7. Put together an amino acid chain

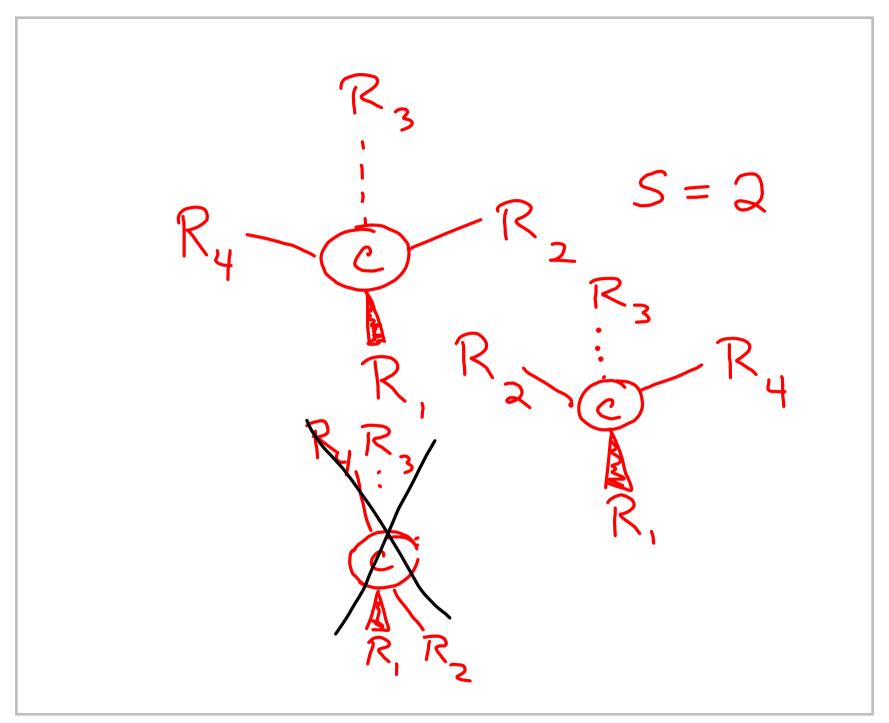
Title: Apr 5 - 1:58 PM (17 of 21)

12.

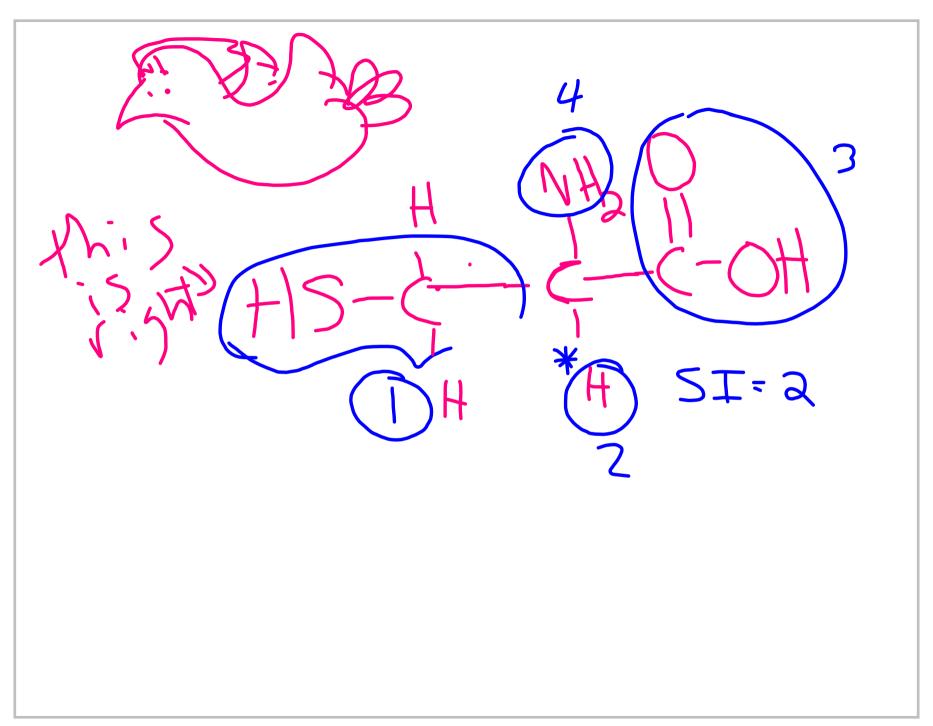
Isomer-same molecular formula, but differently built.

Title: Apr 5 - 2:02 PM (18 of 21)

Sterioisomer-Mirror image Carbon atom must have 4 different attachments to it.



Title: Apr 5 - 2:06 PM (20 of 21)



Title: Apr 5 - 2:19 PM (21 of 21)