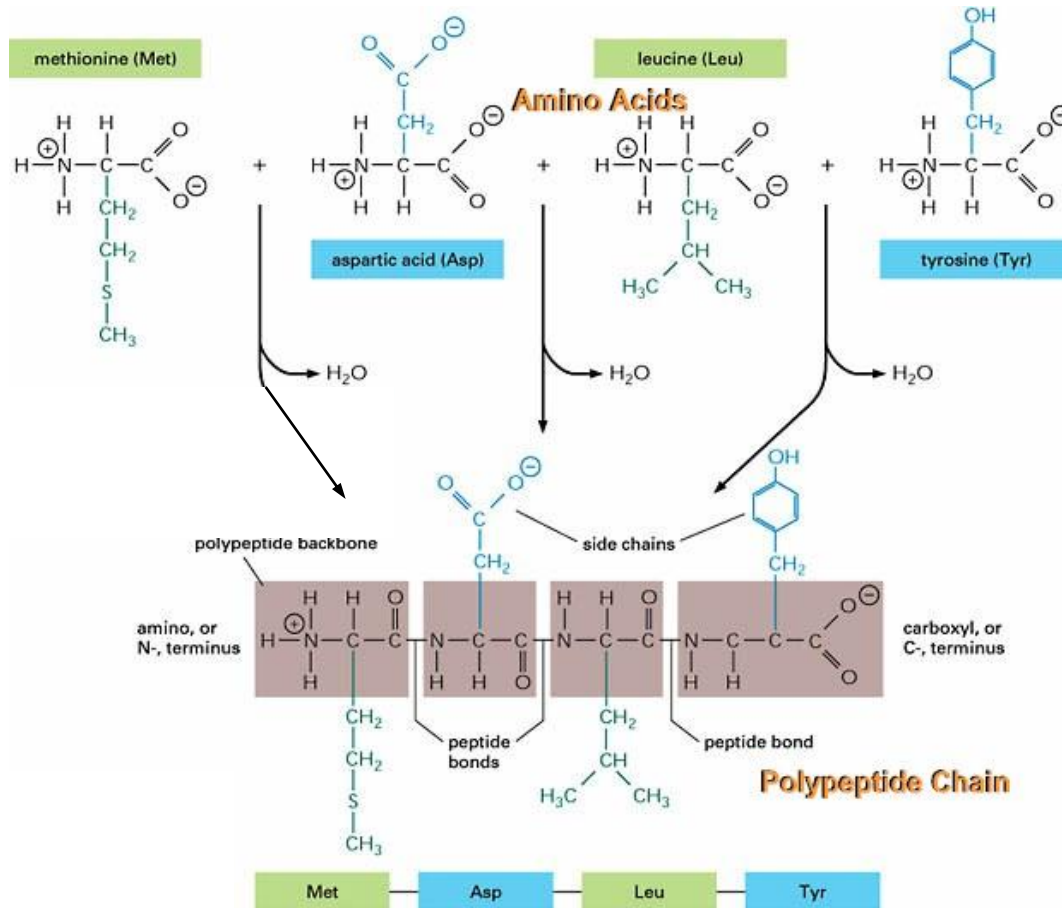
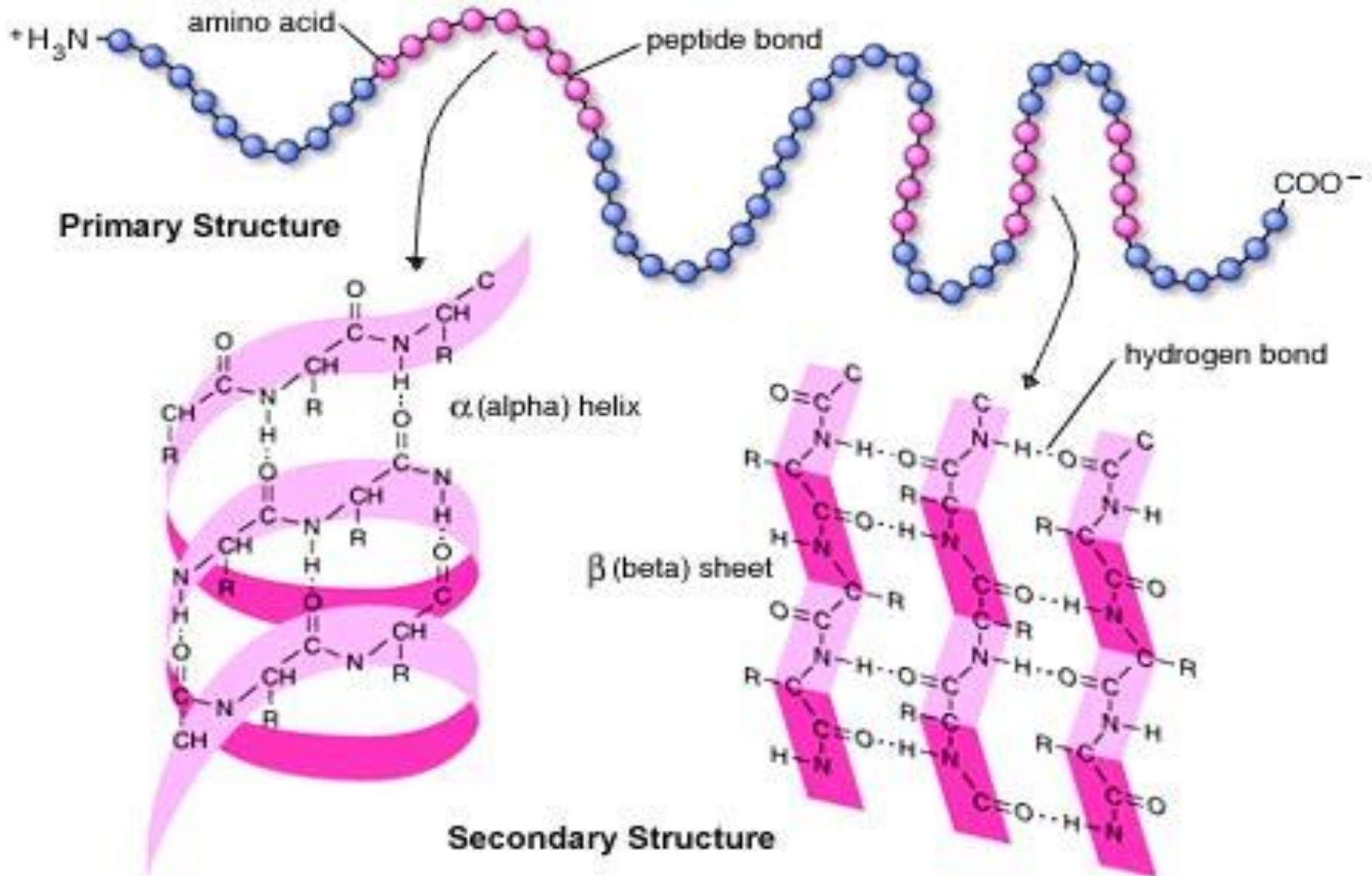


What is a protein?

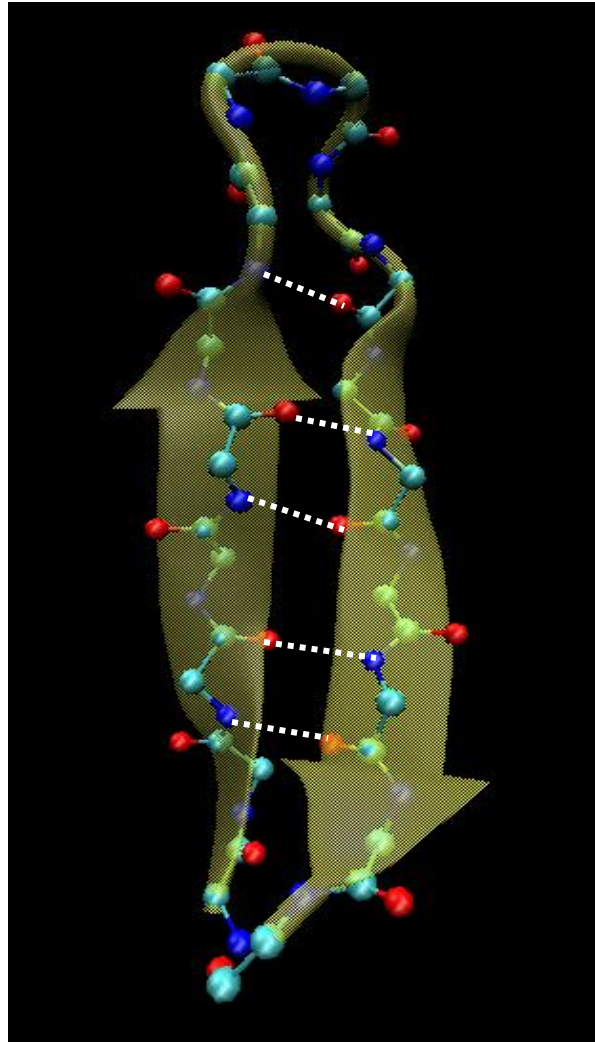
Proteins are Polymers of Amino Acids



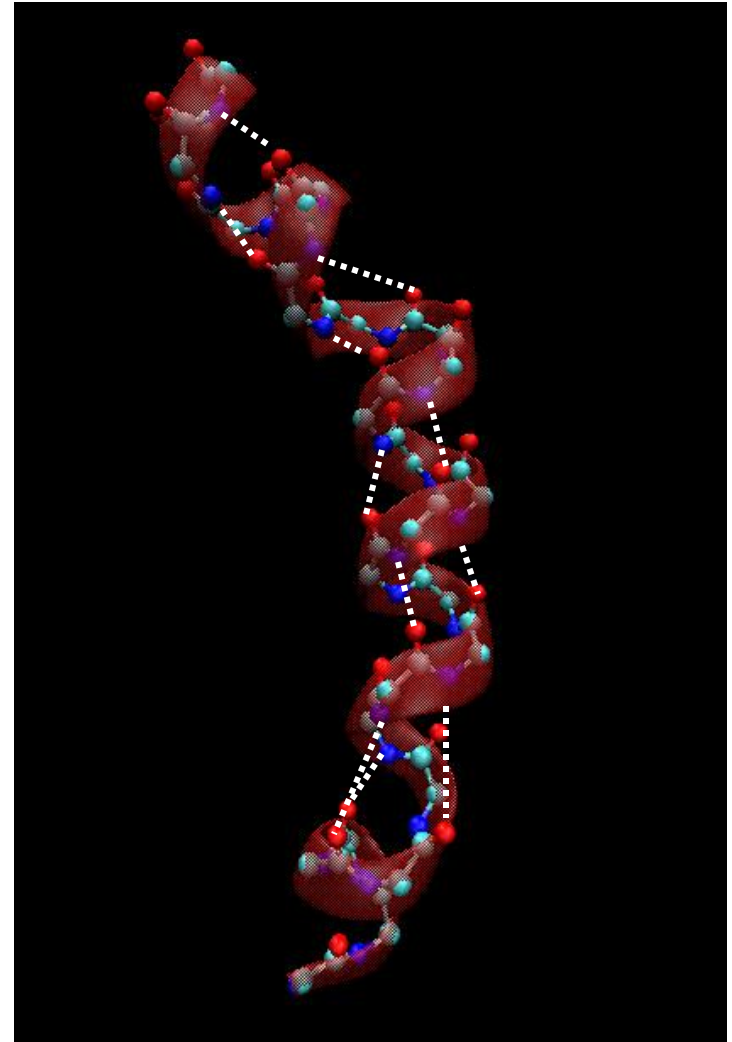
Levels of Protein Structure



What is secondary structure?



Beta Sheet

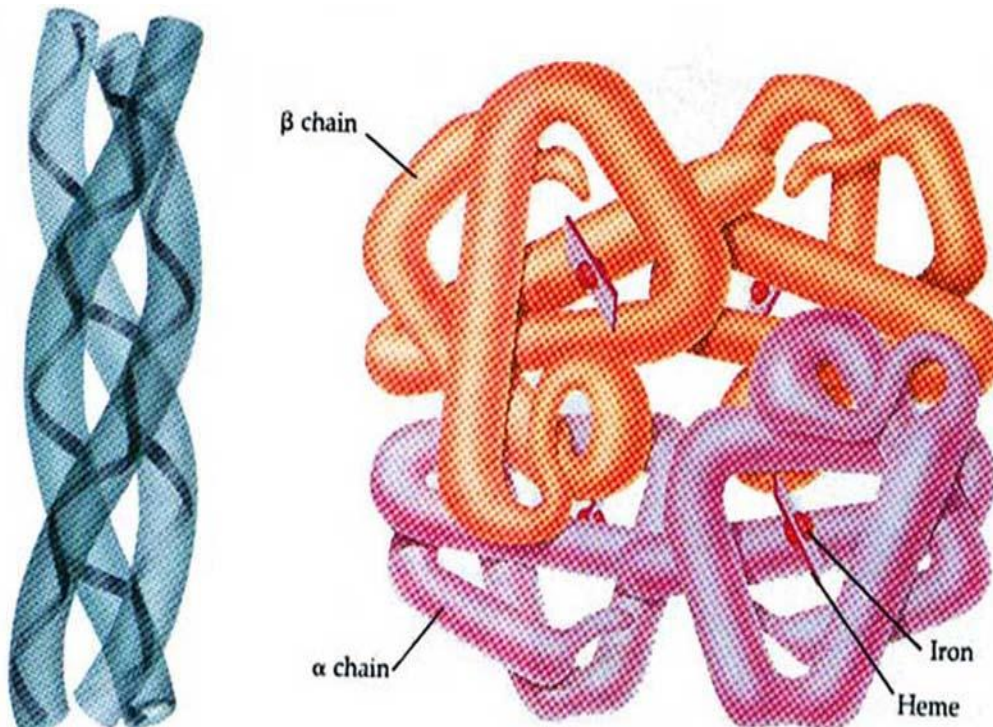


Alpha Helix

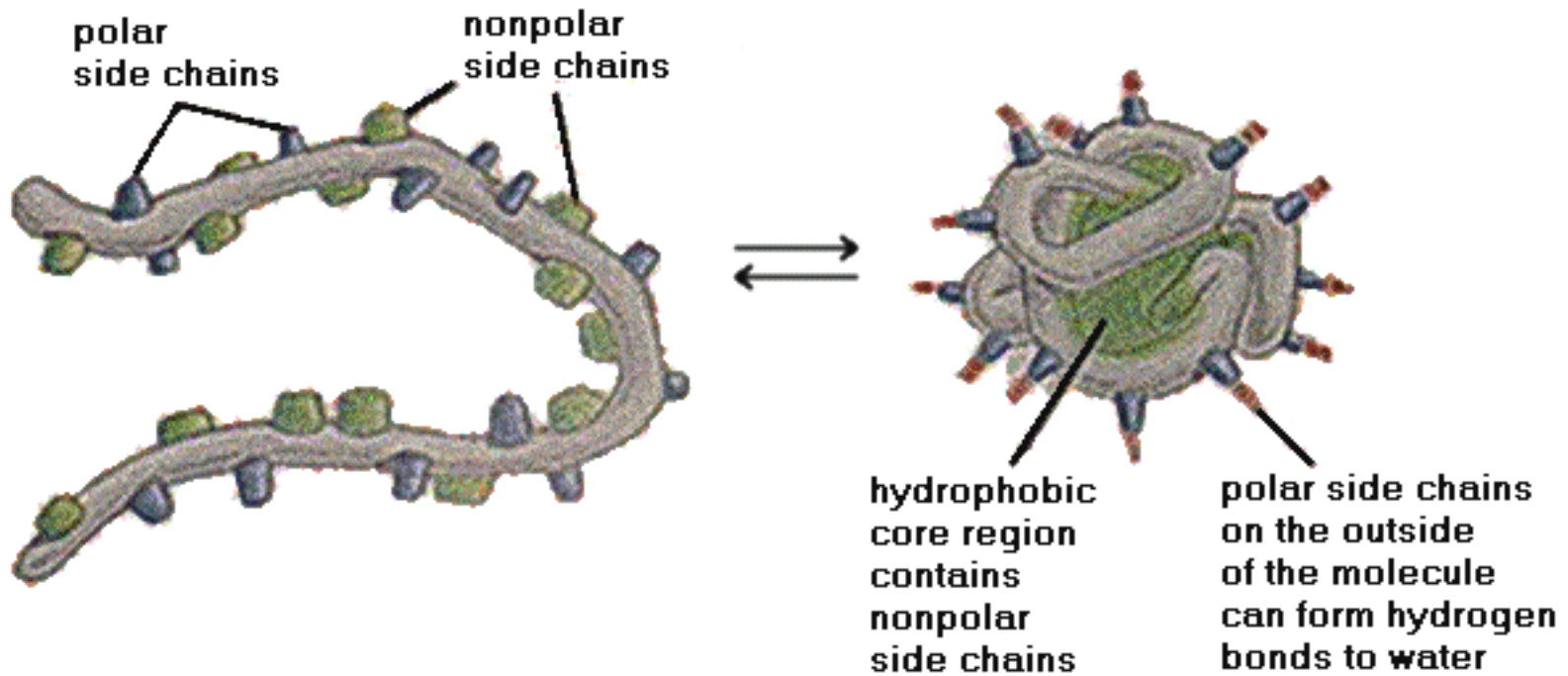
What is Tertiary Structure?



What is quaternary structure?

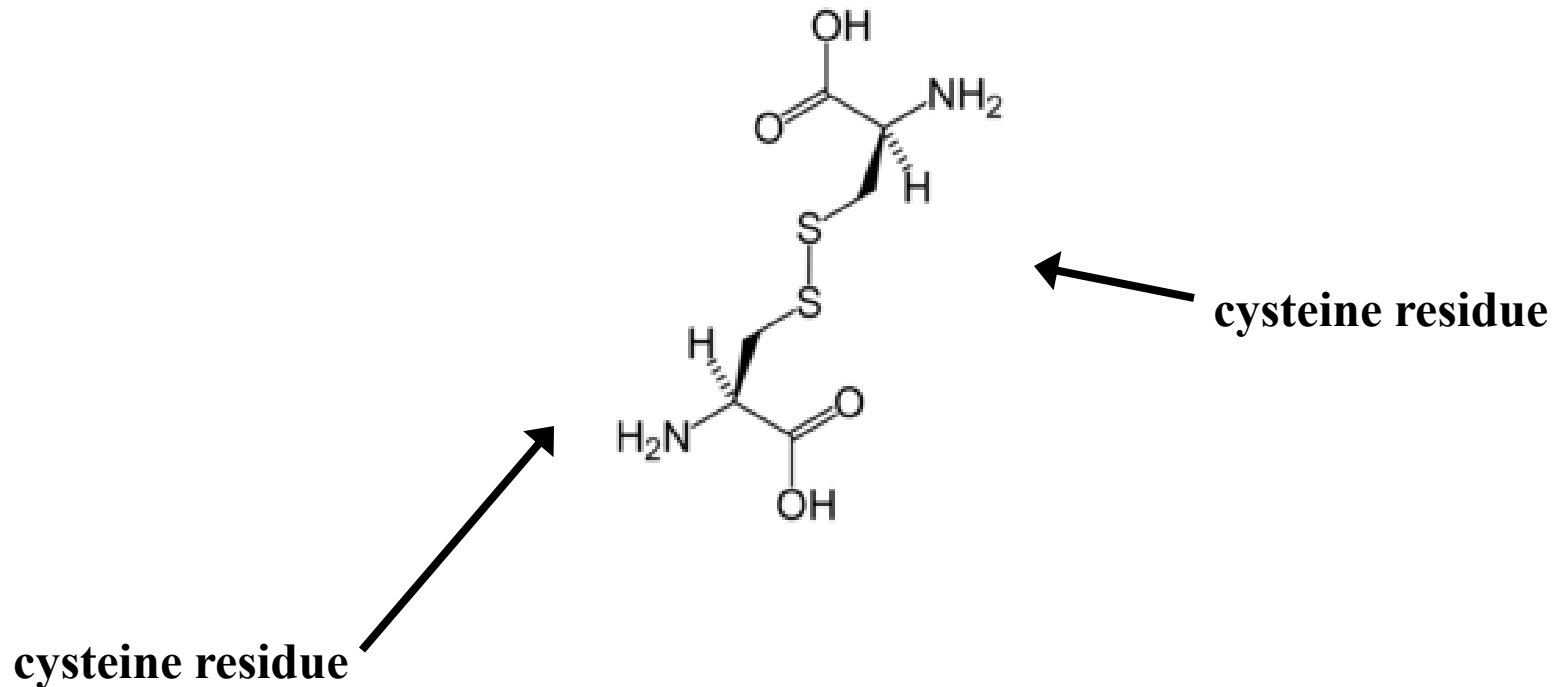


What makes a protein fold?

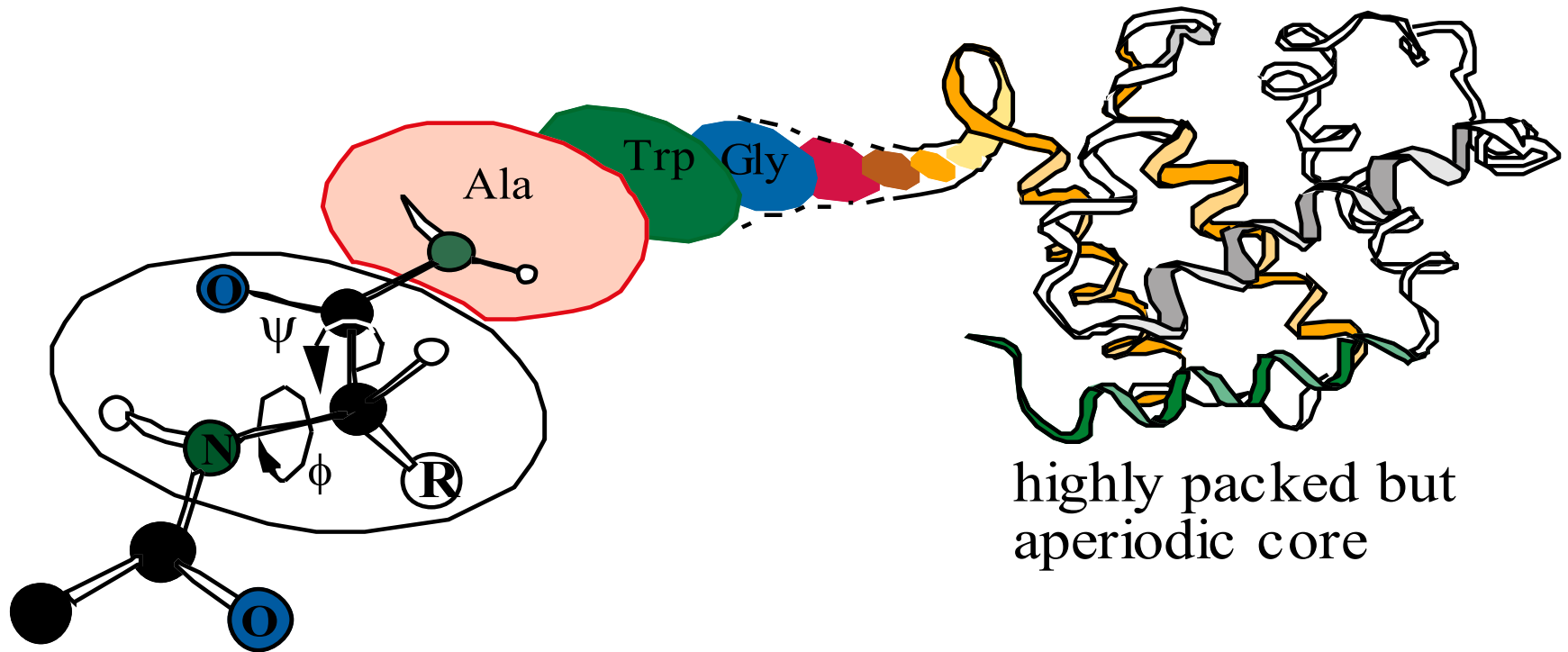


The "Hydrophobic Effect"

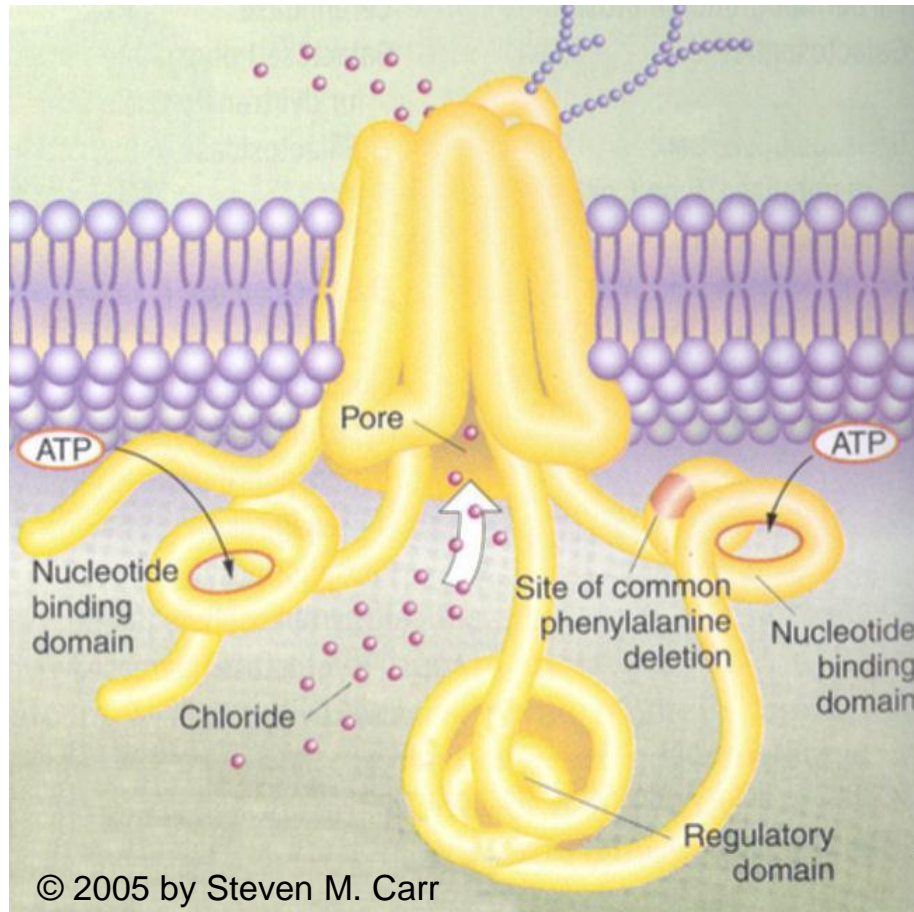
What else stabilizes the structure of the protein?



How do we know it is “folded”?

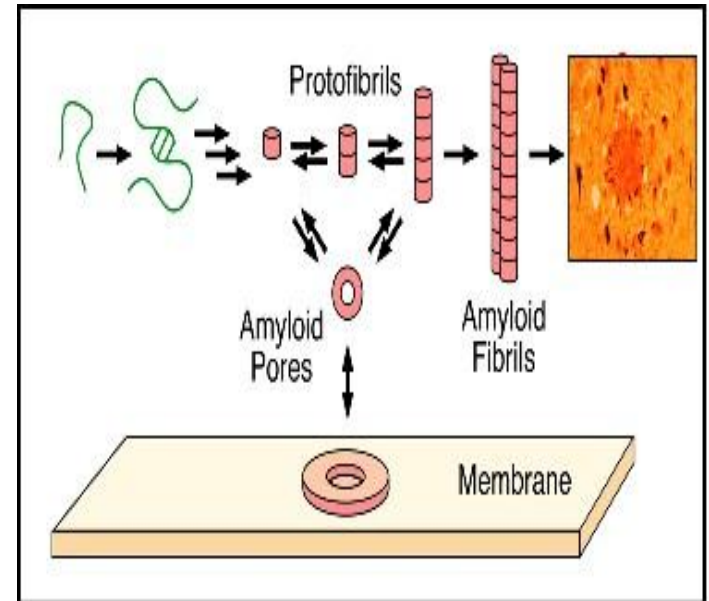


What happens if the protein unfolds or folds improperly?



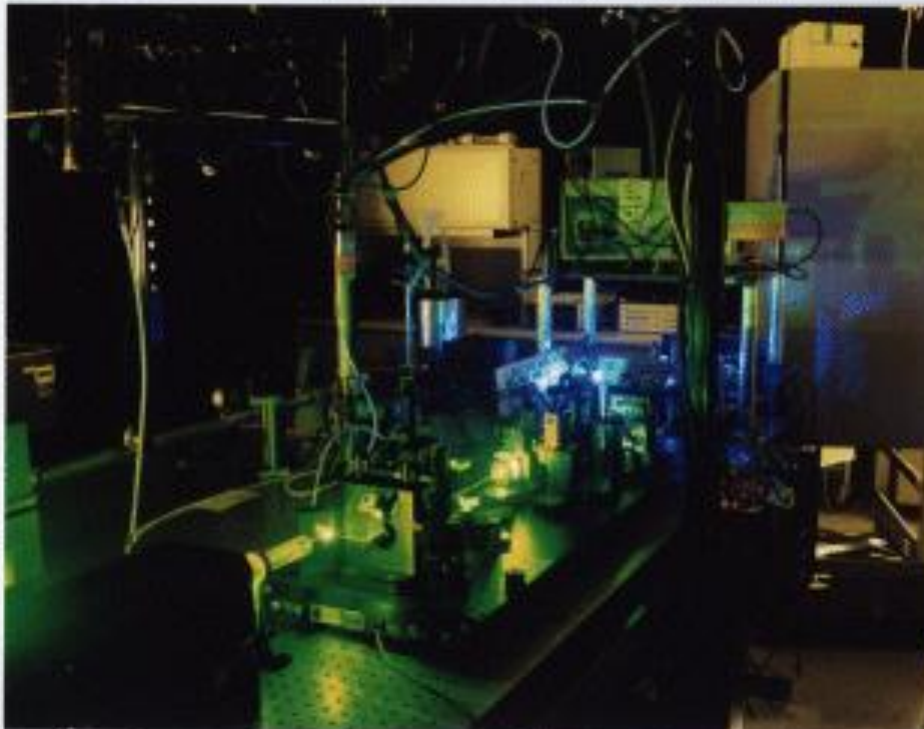
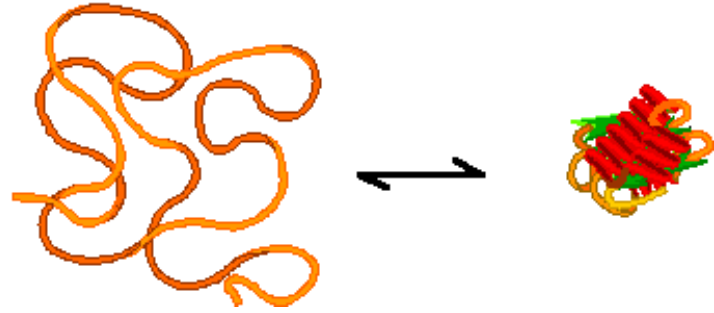
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Cystic Fibrosis



beta-Amyloid Fibrils in Alzheimers Disease

Laser-Induced Temperature Jump



QuickTime™ and a
TIFF (Uncompressed) decompressor
are needed to see this picture.