Lecture 8- CHM2210 attatched to: 3x3=91-H3 (CH3) 4x2 = 82° H3 (CH2) 3 × 1 = 3 3º H 5 (CH) 3 = 3 1° ( S (CH3) 4 = 4 2°C (CH3) 3 = 3 3°C (CH) ₩ 4°C = C (no H) Cyclic Kelone 12 ( \$ 450 Camony aliphatic - applies to s. b. carons Vinylic (d.b.?) 13= CH - vinglil nydragen. 2914 (aliphate) Vinylic hydrogen H's are aromatic not vinglic because vegocance vegocance even though double hords are present on these carbons.

alpha order Alkyl Substituents methy M ethy) propyl 150 propy1 butyl 150hoty1 sec-butyl test-buty1 Haloalkans: (assess priority) Br - bromo CI-chloro E- Fluoro 1-10do Conformations of Acyclic Alkanes Linear: "Stereo isomes" - differ in arrangement of atoms in space (Same connectivity) - Conformational Isomer; Isomer this paso Can interconvert easily by rotation (s) around single bonds (called conforms) In alkanesi By rotatsin about - Cannot be isolated -some are more o bonds Stable thun the other

Ex: Ethane C2 H 6 Bide- View. H Same plant as more I'M H & below or far away, out of I towards you labore the plan 3) Newman Projection check A conformation of stability. Inner one is in front. 11 11 11 (reclipse" conformation 4 Of Lilow, higher energy