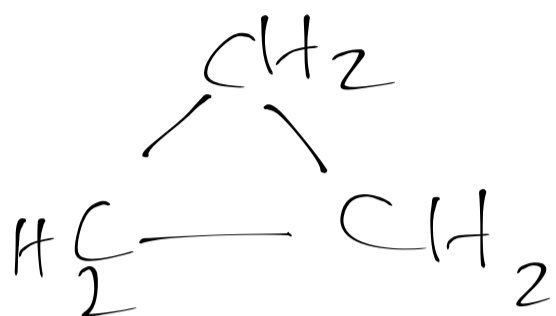


Aug 29 Block 1

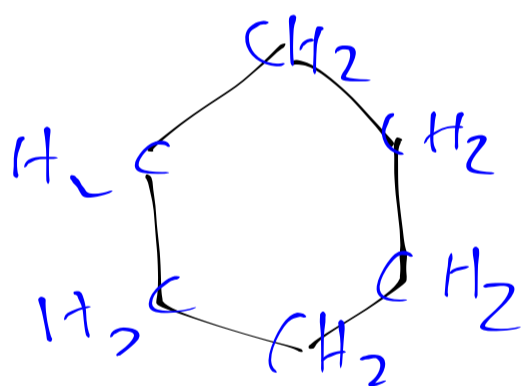
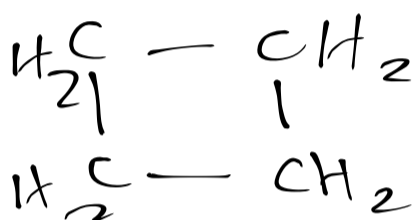
Cyclic alkanes

$C_n H_{2n+2}$ rule = yes, then straight chain/branched
 = no then ring or C=C

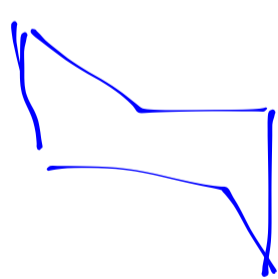


cyclopropane

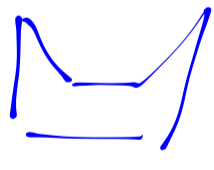
cyclobutane



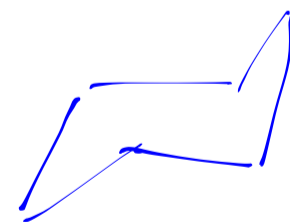
cyclohexane



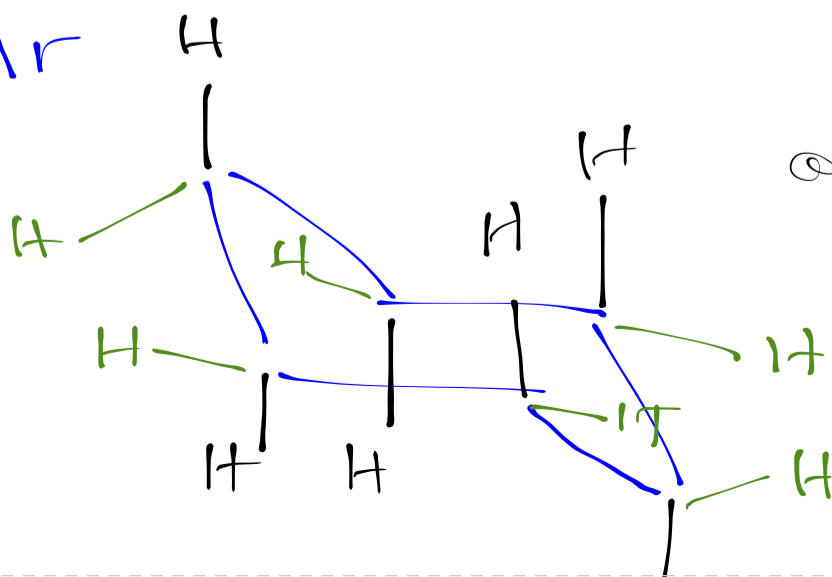
chair



boat

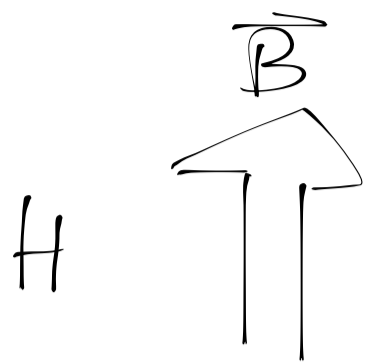


equatorial



axial

NMR Nuclear Magnetic Resonance



Fourier Transform

different H's respond differently to \vec{B} (magnetic field)

¹H NMR can be used to elucidate structures

CH₄ 1 signal

CH₃CH₃ 1 signal

NMR signal is proportional

to the # of H's making the signal