Drawing a Cyclohexane Chair

step 1 - draw tilted parallel lines

/ /

step 2 - (the only hard step) place two dots 1/3 and 2/3 of the way along a line between the far points



step 3 - connect the dots !

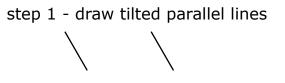


Drawing Cyclohexane Substituents

axial substituents alternate straight up or straight down



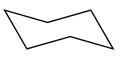
Carl C. Wamser Portland State University



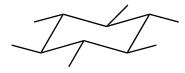
step 2 - (the only hard step) place two dots 1/3 and 2/3 of the way along a line between the far points



step 3 - connect the dots !



equatorial substituents alternate slightly up or slightly down (parallel to the adjacent C-C bonds)



Conformational Equilibrium

axial interconverts with equatorial, but up /down relationships are still the same

