

Ch 3

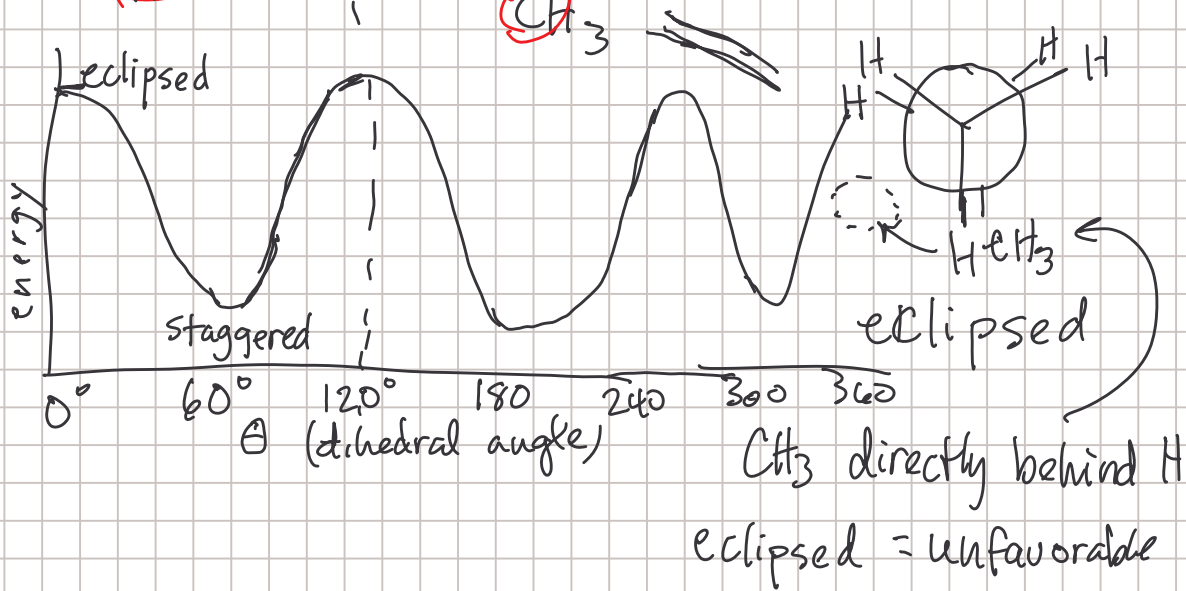
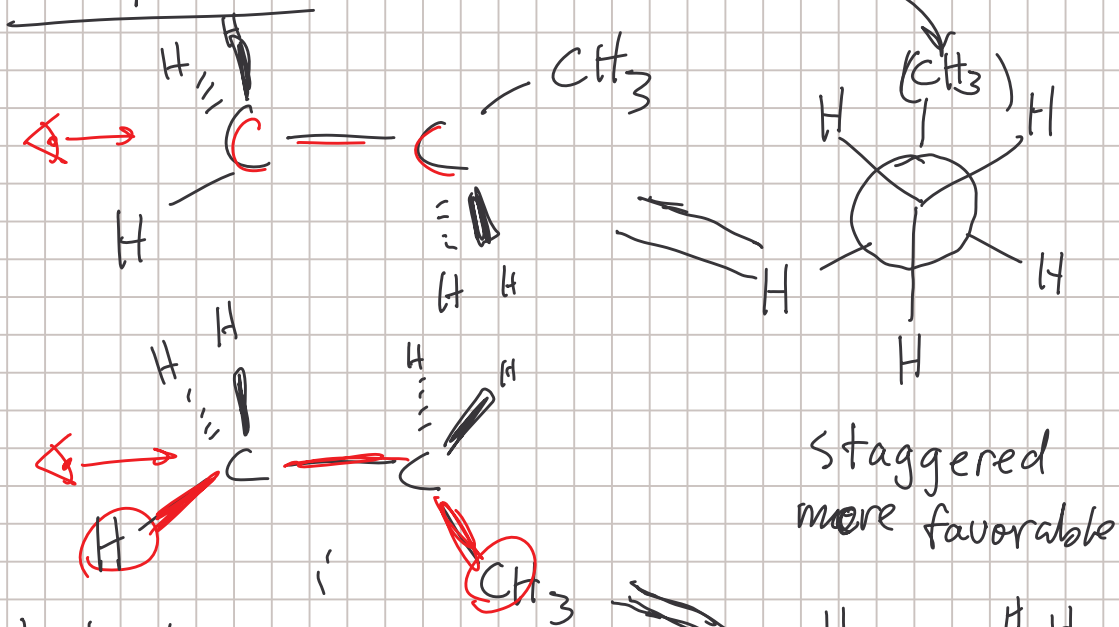
Note Title

9/13/2005

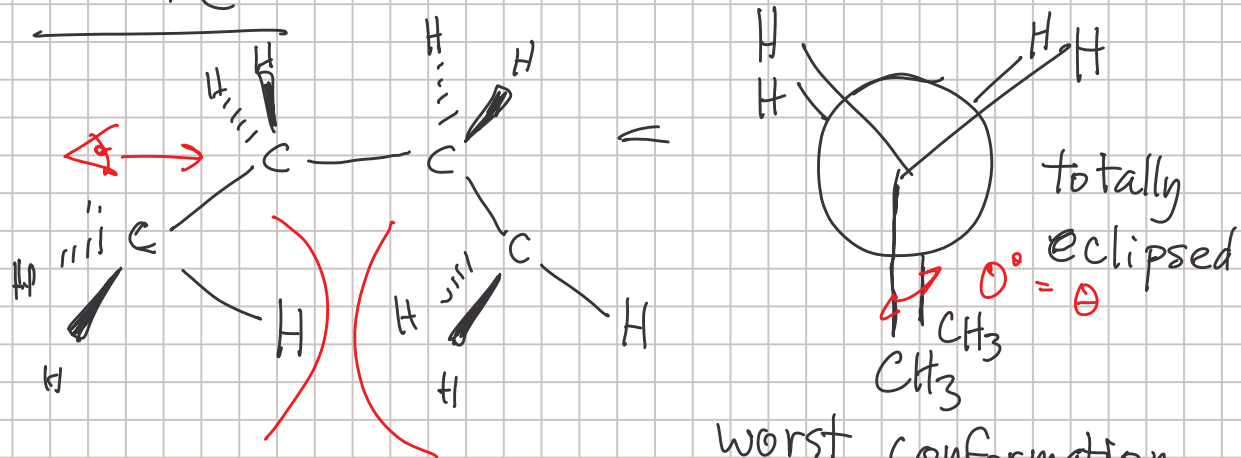
Exam 1 tomorrow

material thru
lecture today

Propane 2 conformations CH_3 between 2 H's



Butane

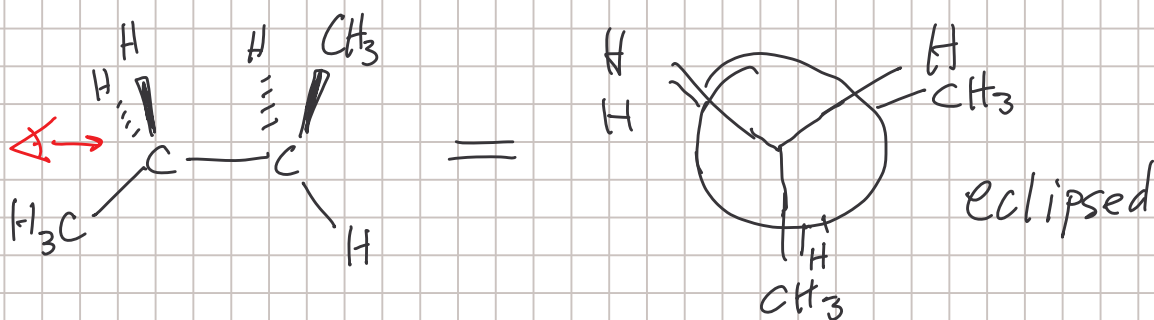
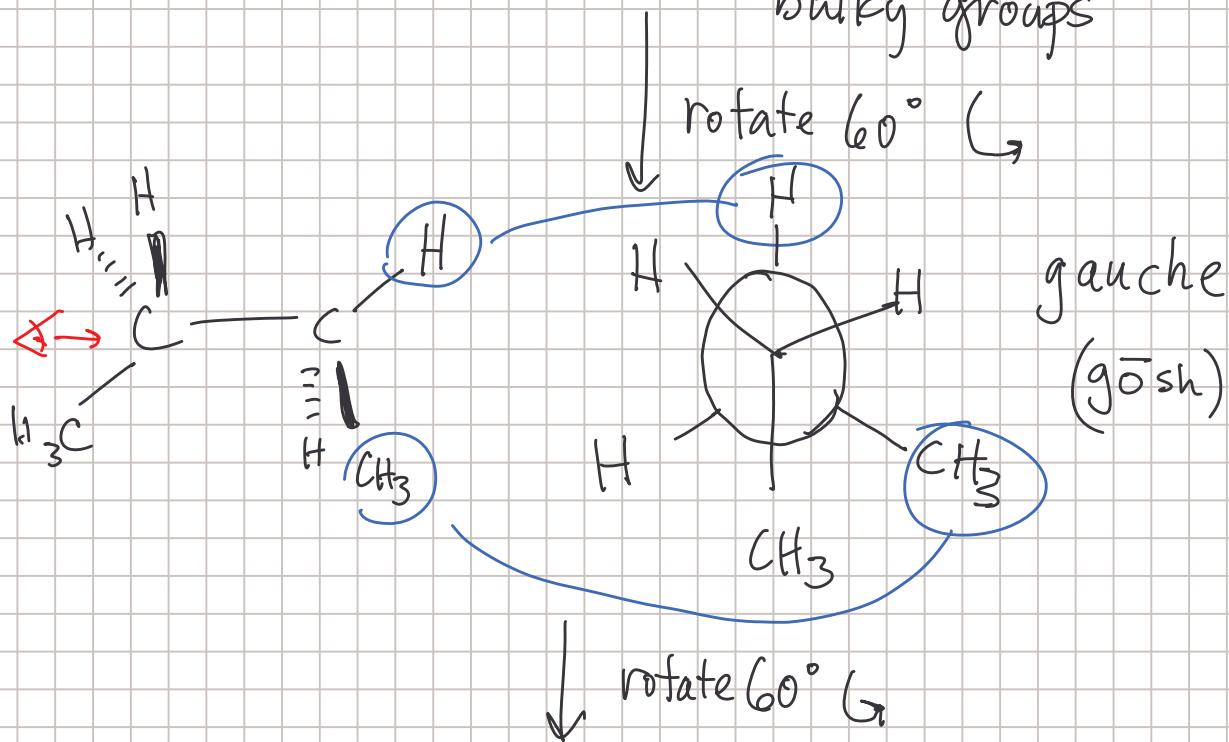


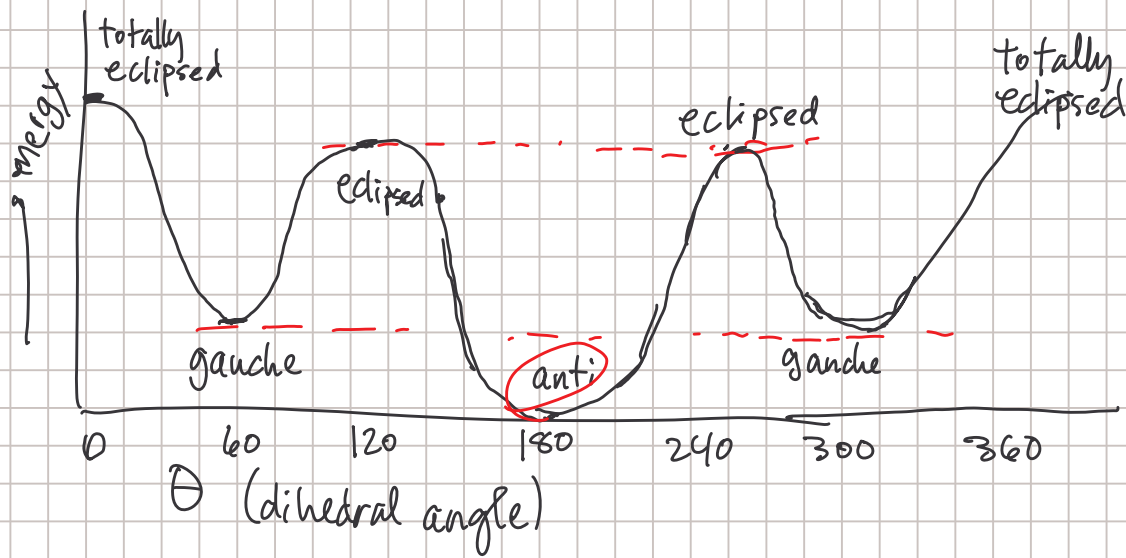
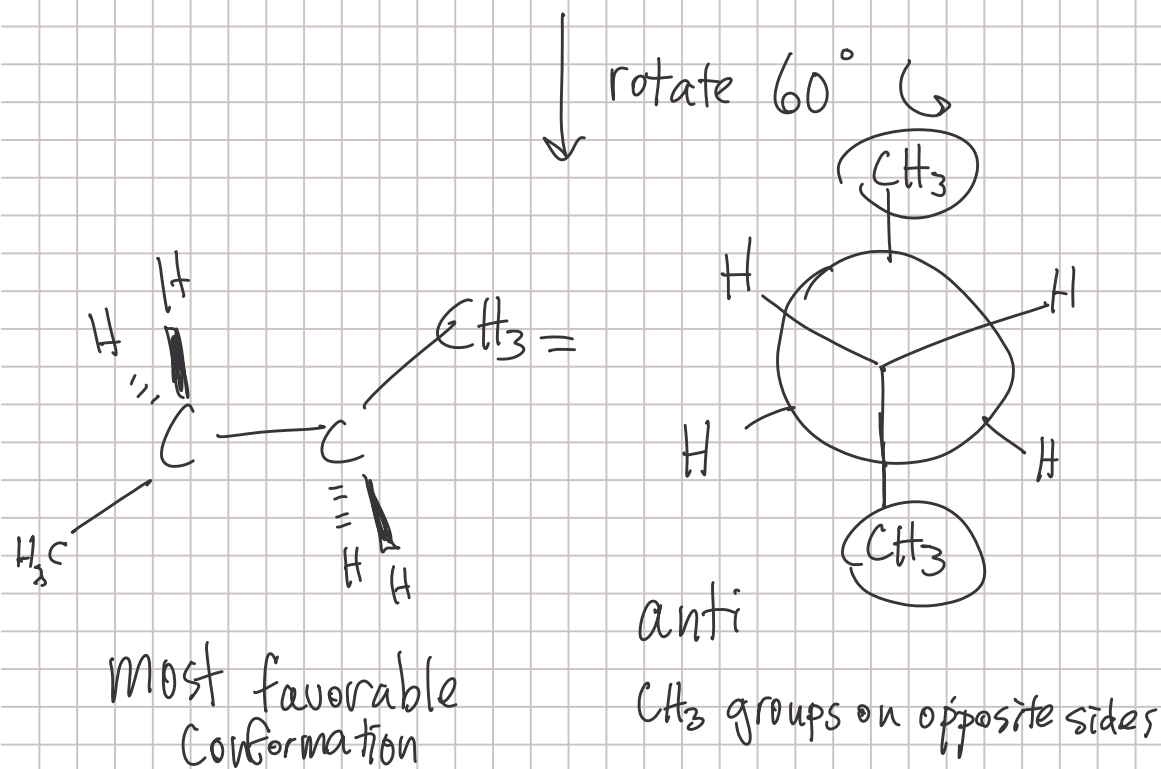
Curves indicate groups too close together

worst conformation (least favorable)

Steric hindrance

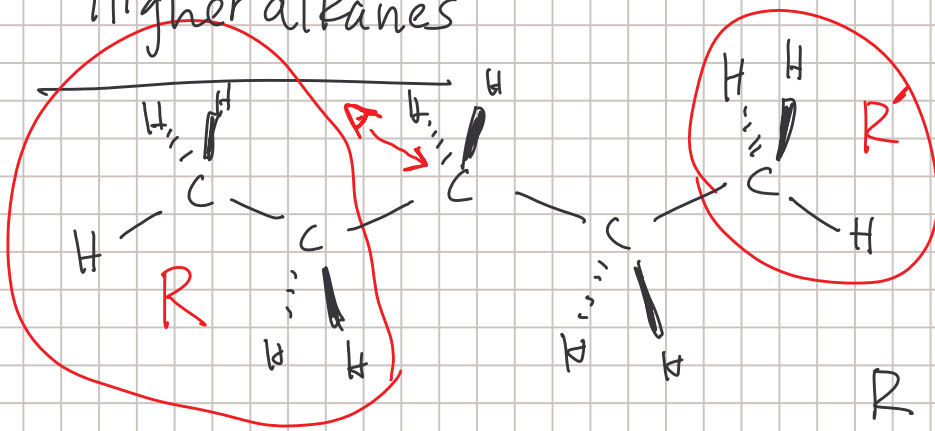
unfavorable interaction in space between 2 bulky groups





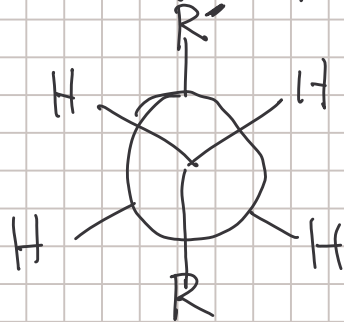
most molecules prefer to spend most time in lower energy conformations (anti/gauche)

Higher alkanes



all-anti conformation

R = a general alkyl group



zig-zags

all-anti conformation for alkanes