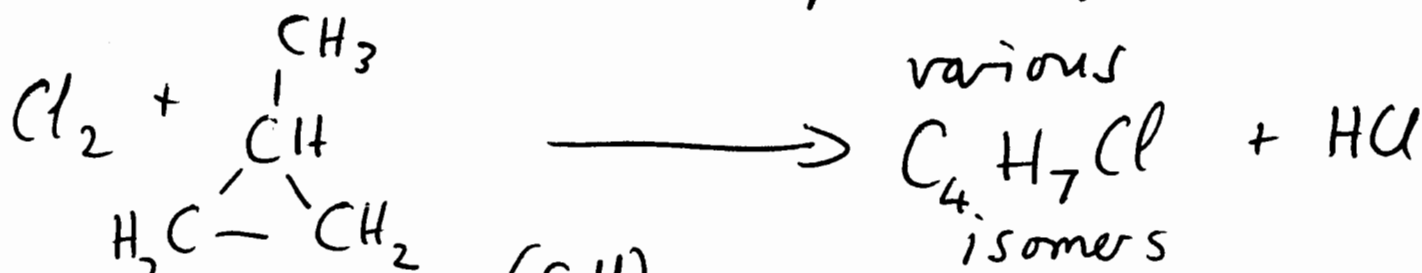


# Chemistry 342

## Week 5 Recitation

1. Which are the chair conformations for the following?  
Indicate which conformation of each pair is the more stable,  
or indicate "equal stability."
- (a) 1,4-Diethylcyclohexane - both cis & trans.
- (b) 1-isopropyl-2-methylcyclohexane - both cis & trans.

2 (a) Draw all of the possible products from monochlorination (only one  $\text{Cl}_2$ ) of 1-methylcyclopropane.



Be sure to include all possible geometric isomers.

(b) Write a (Full) mechanism for formation of the major of these products