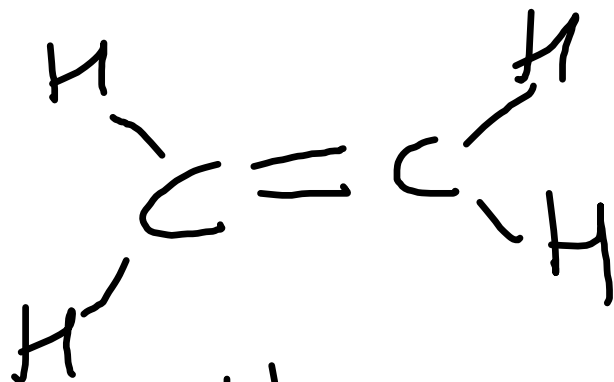


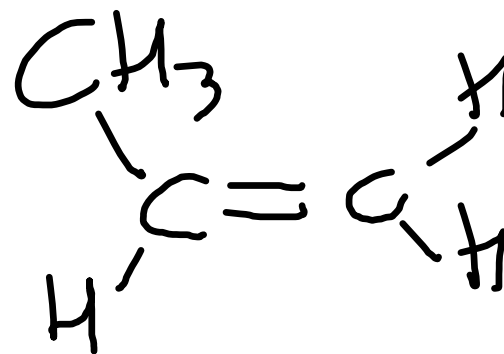
# CHAPTER 7 ALKENES

## -PREPARATION



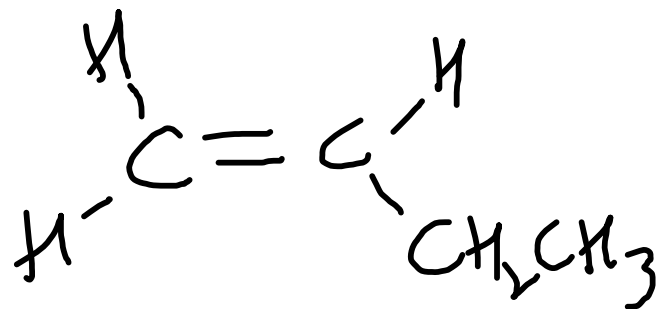
ethene

ethylene

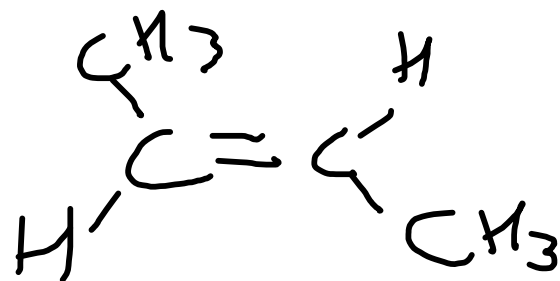


propene

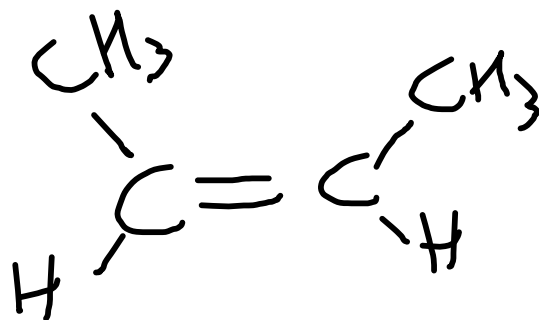
propylene



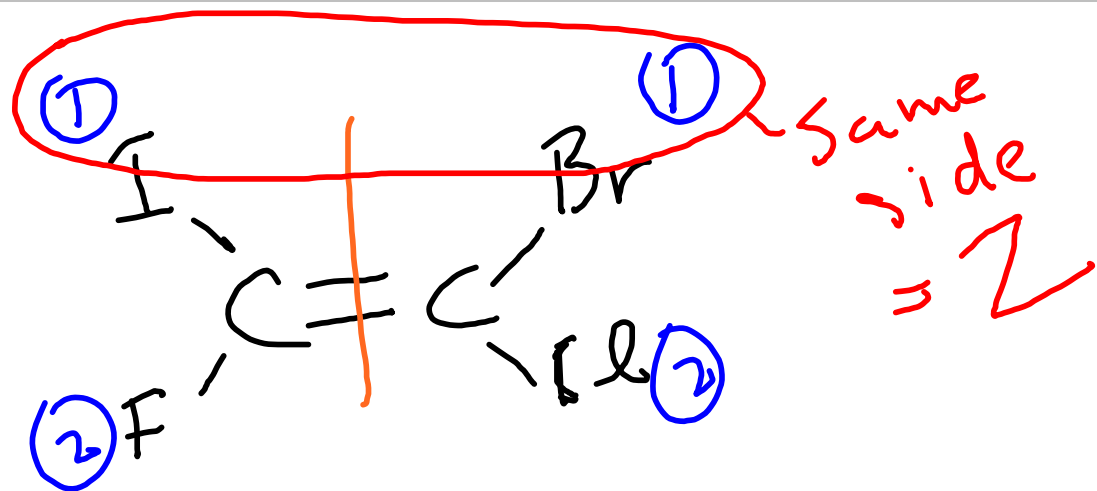
1-butene



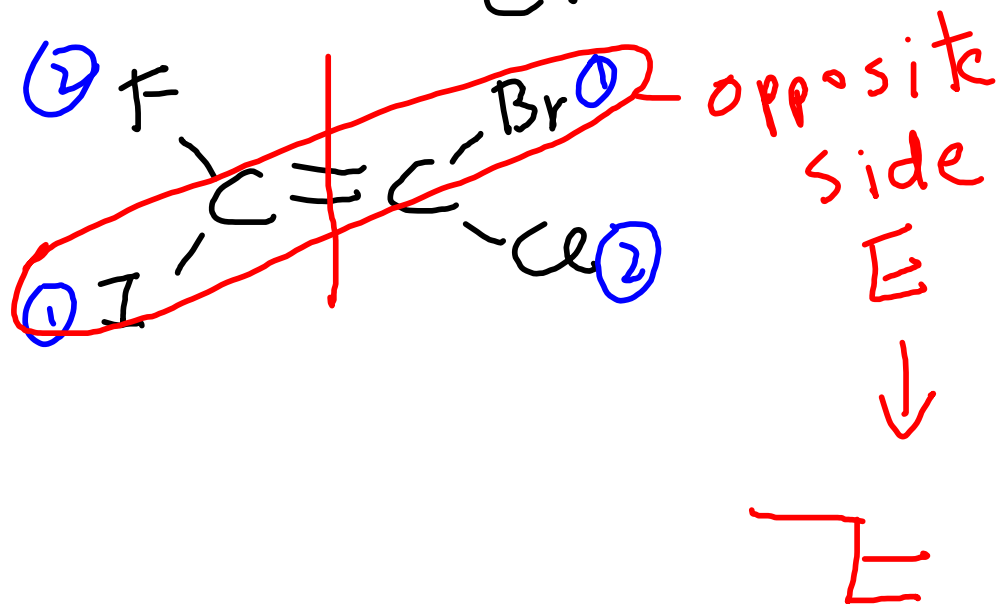
trans-2-butene



cis-2-butene



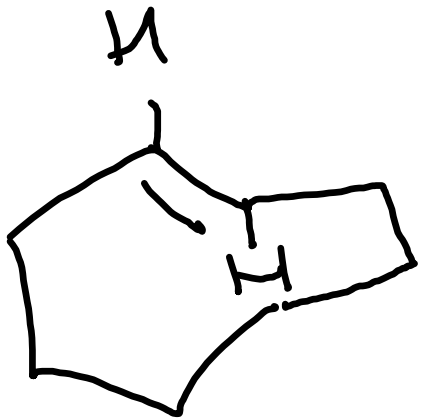
(Z)-1-bromo-1-chloro-2-fluoro-2-iodoethene



8-carbon rule

must have at  
least 8 carbons

in ring for  
trans alkene

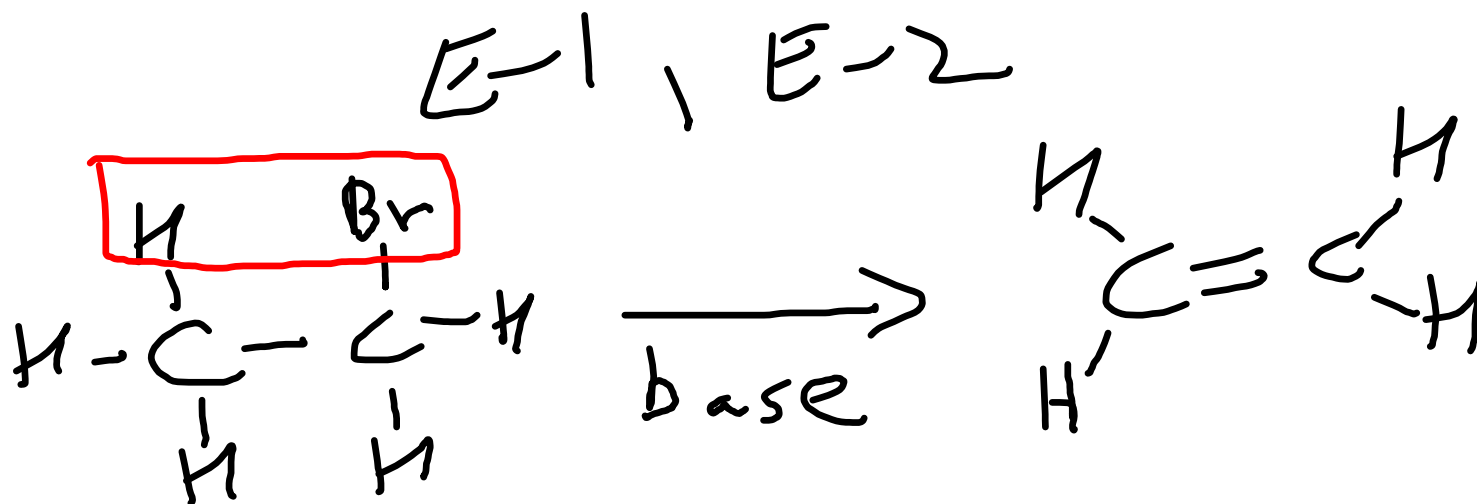


trans cyclooctene

# PREPARATION

## 1) DEHYDROHALOGENATION

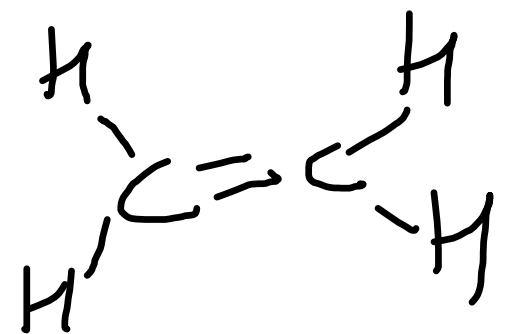
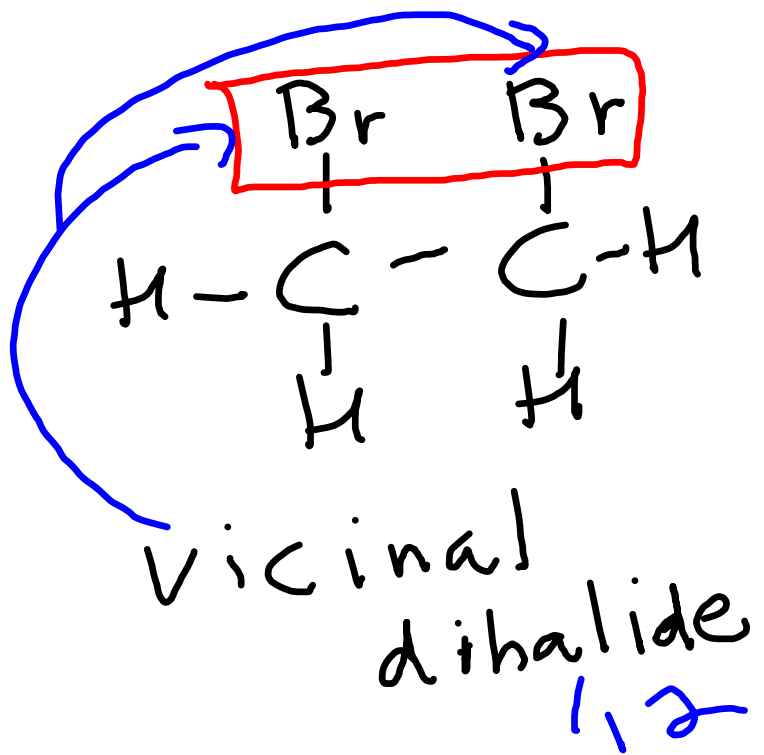
remove H X



# w) DEHALOGENATION

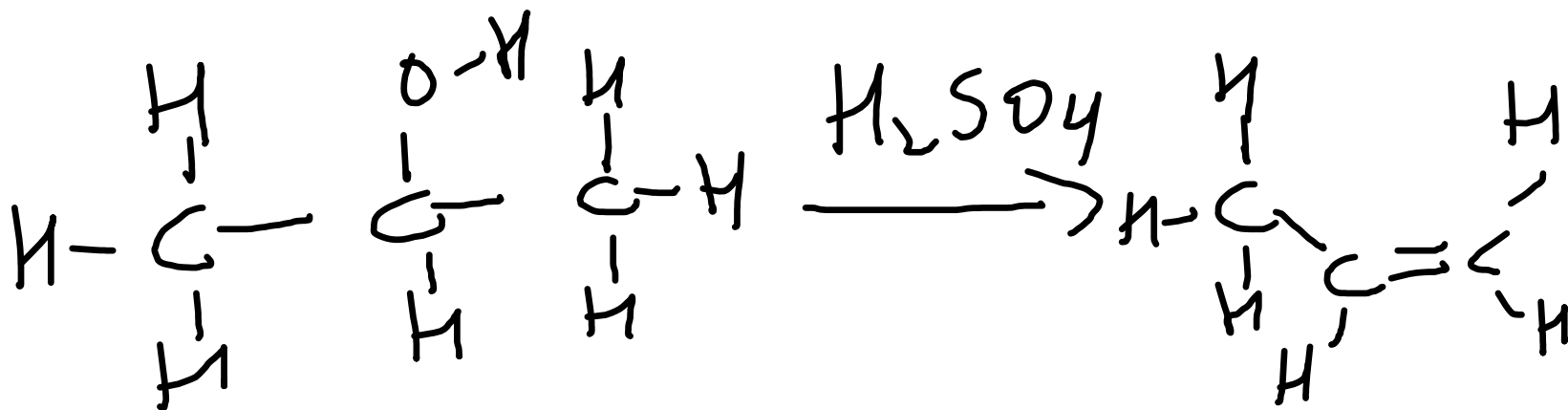
remove

X

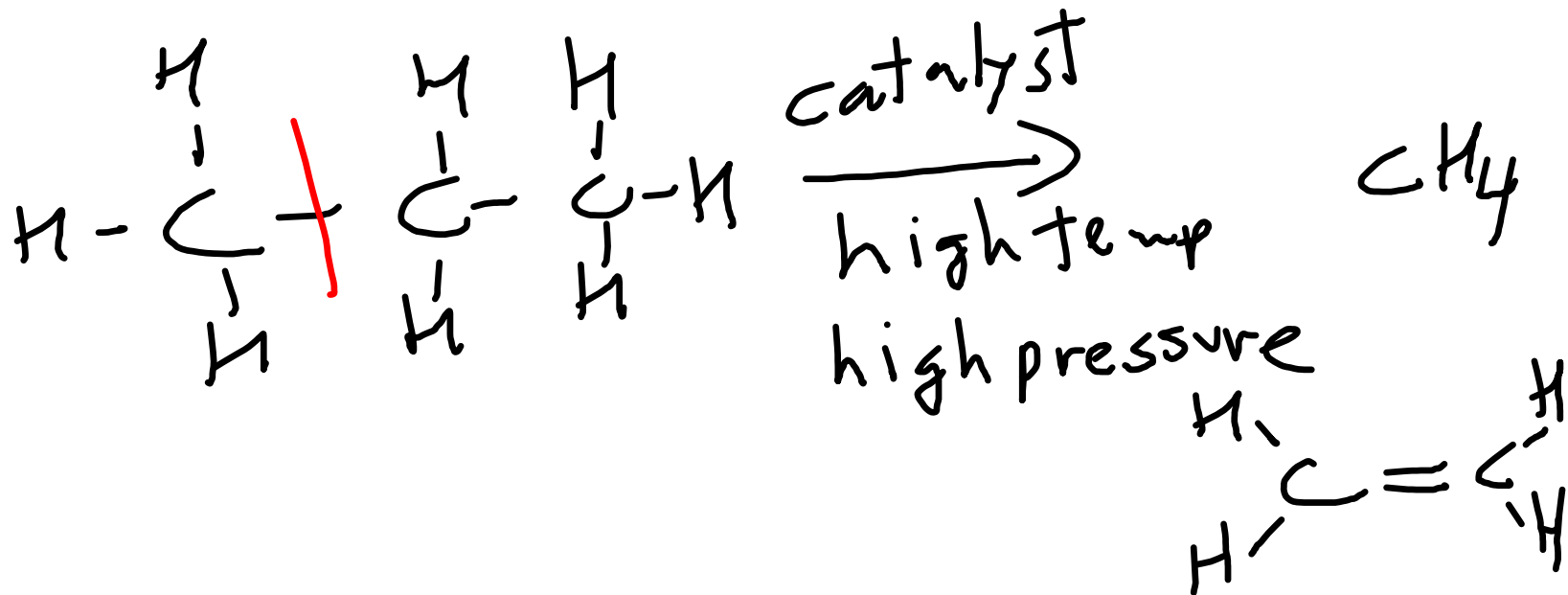


### 3) DEHYDRATION OF ALCOHOLS

remove  $H_2O$

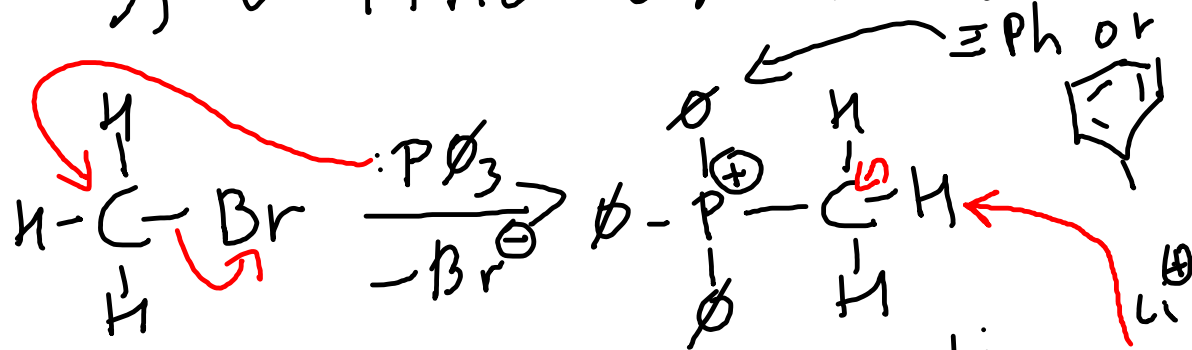


# 4) CATALYTIC CRACKING





# 5) WITTIG SYNTHESIS



WITTIG REAGENT

