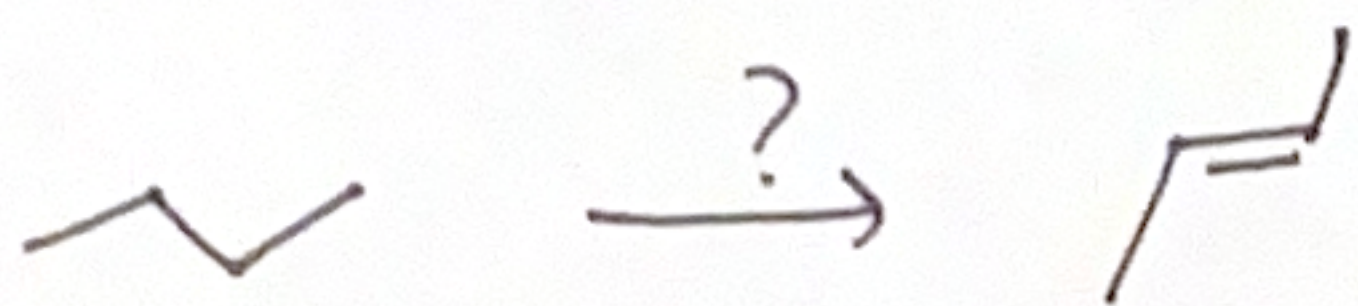


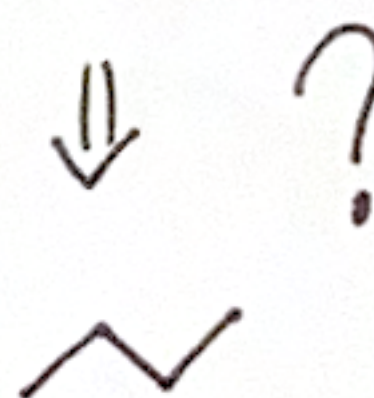
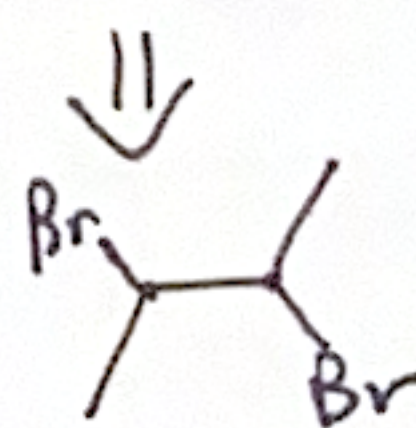
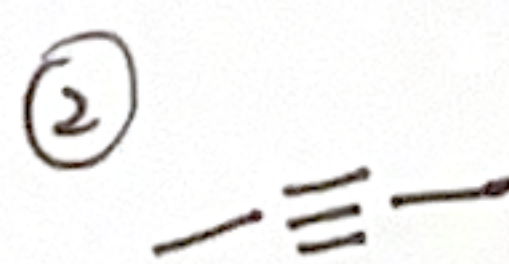
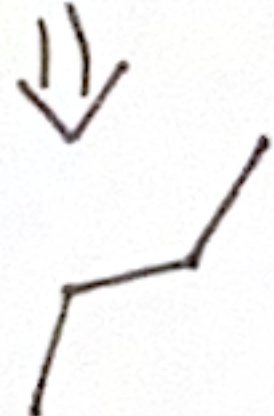
Fr. 11.14.24

Ex ①

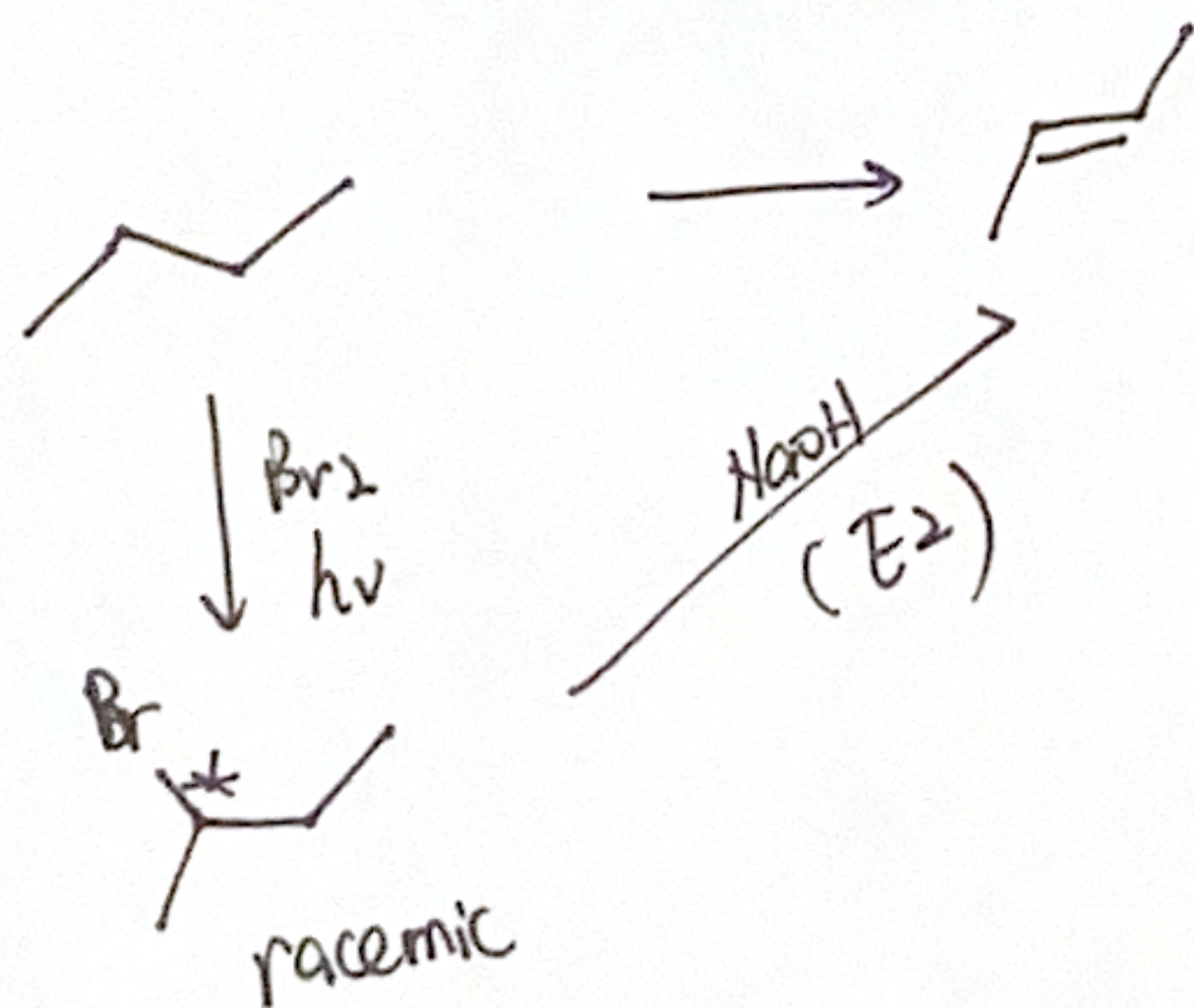


Can be made by

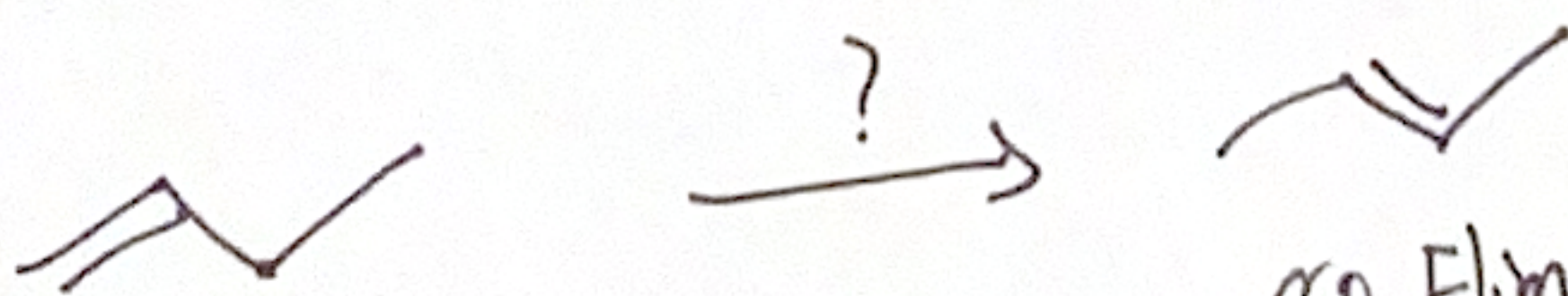
- ① Elimination
- ② Alkyne reduction



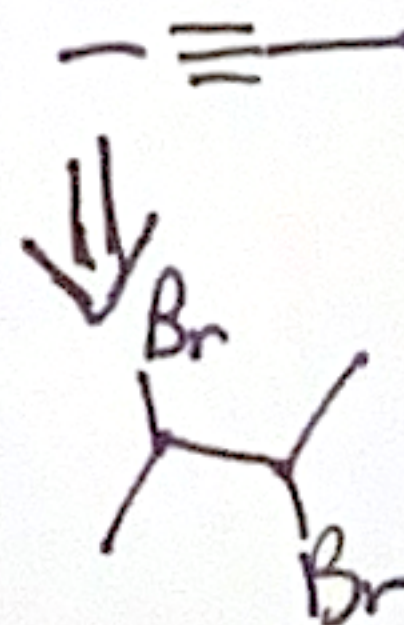
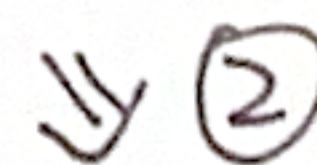
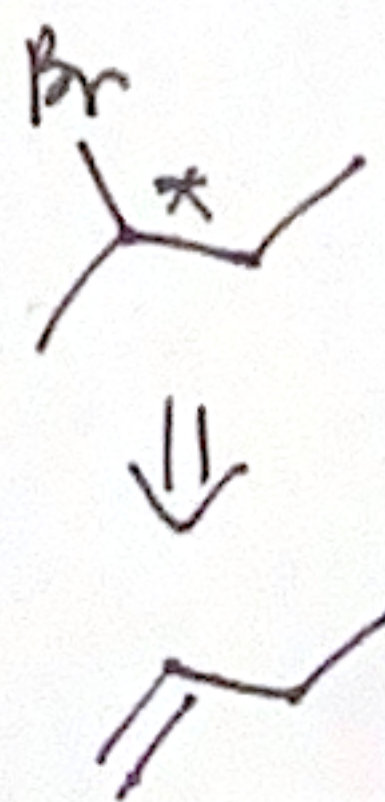
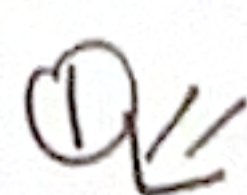
synthesis  $\rightarrow$  Functional Group transformation



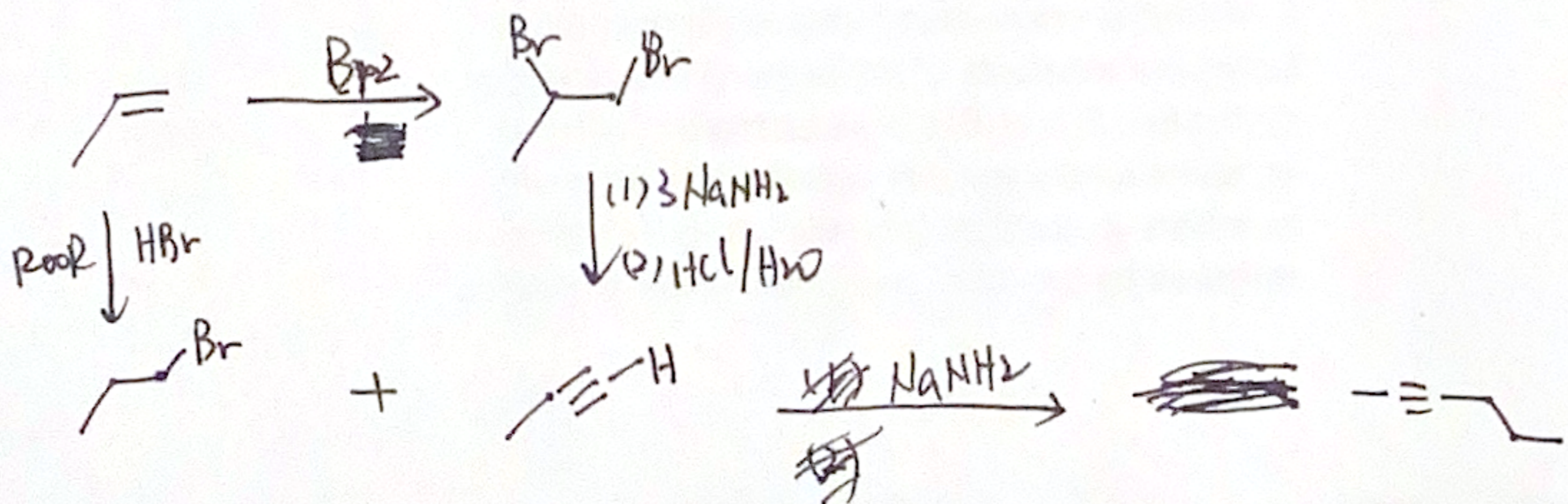
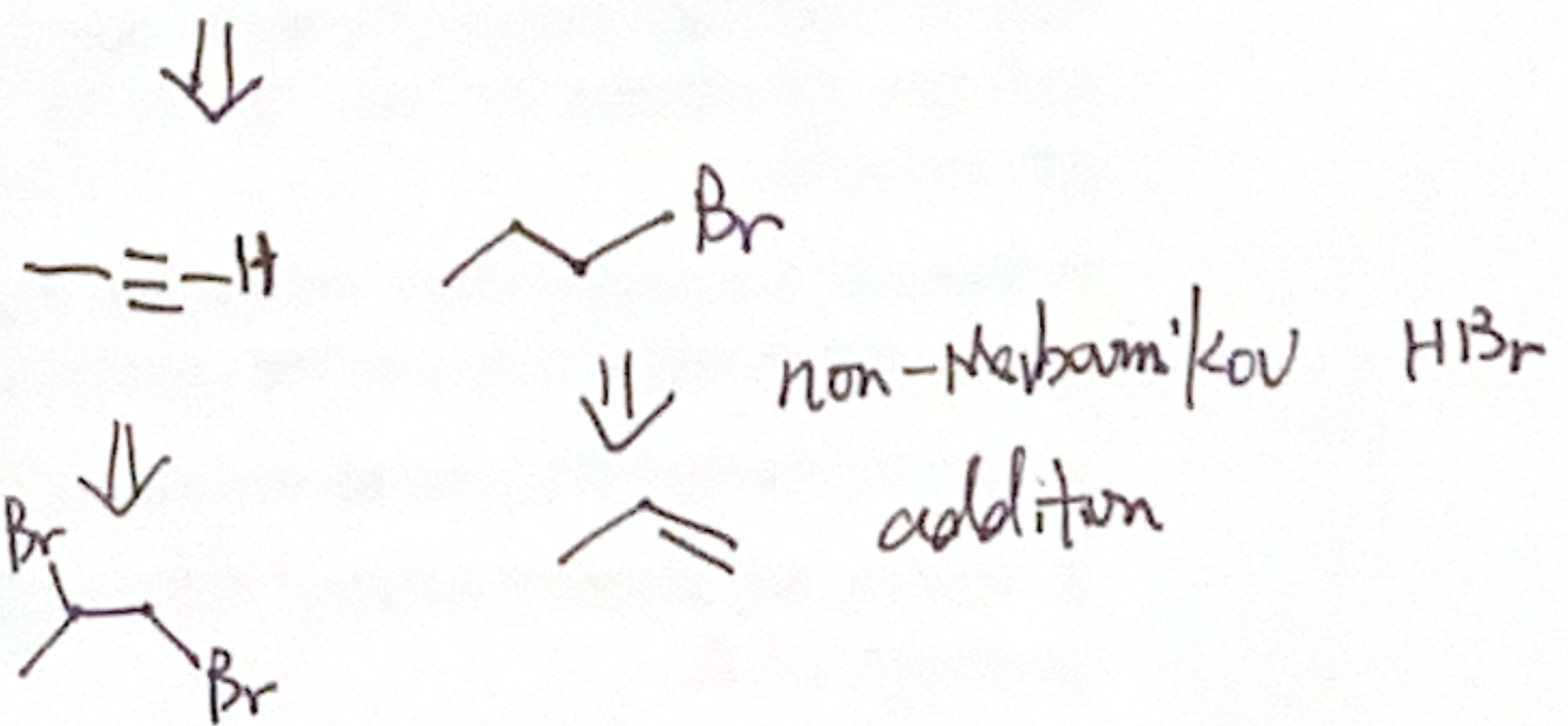
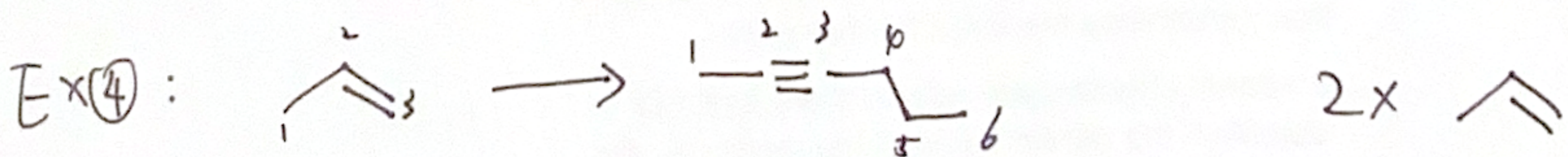
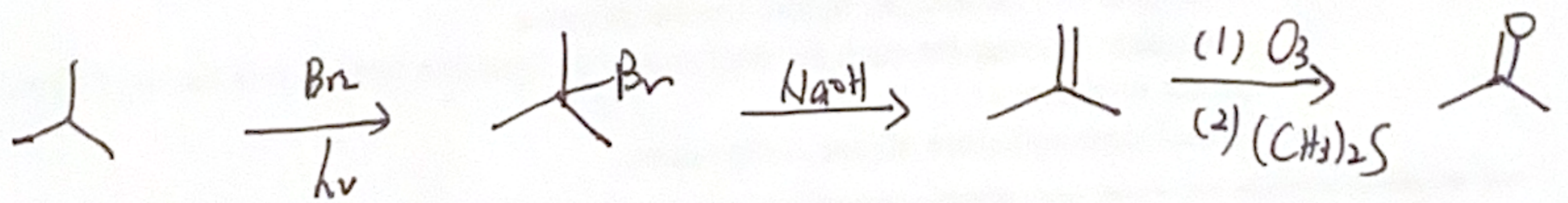
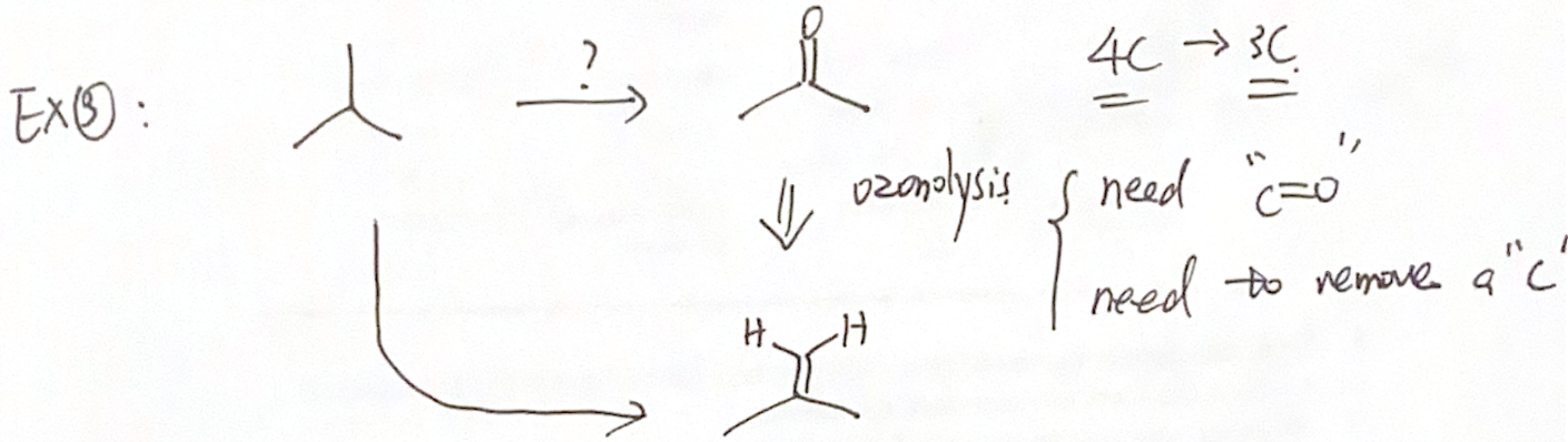
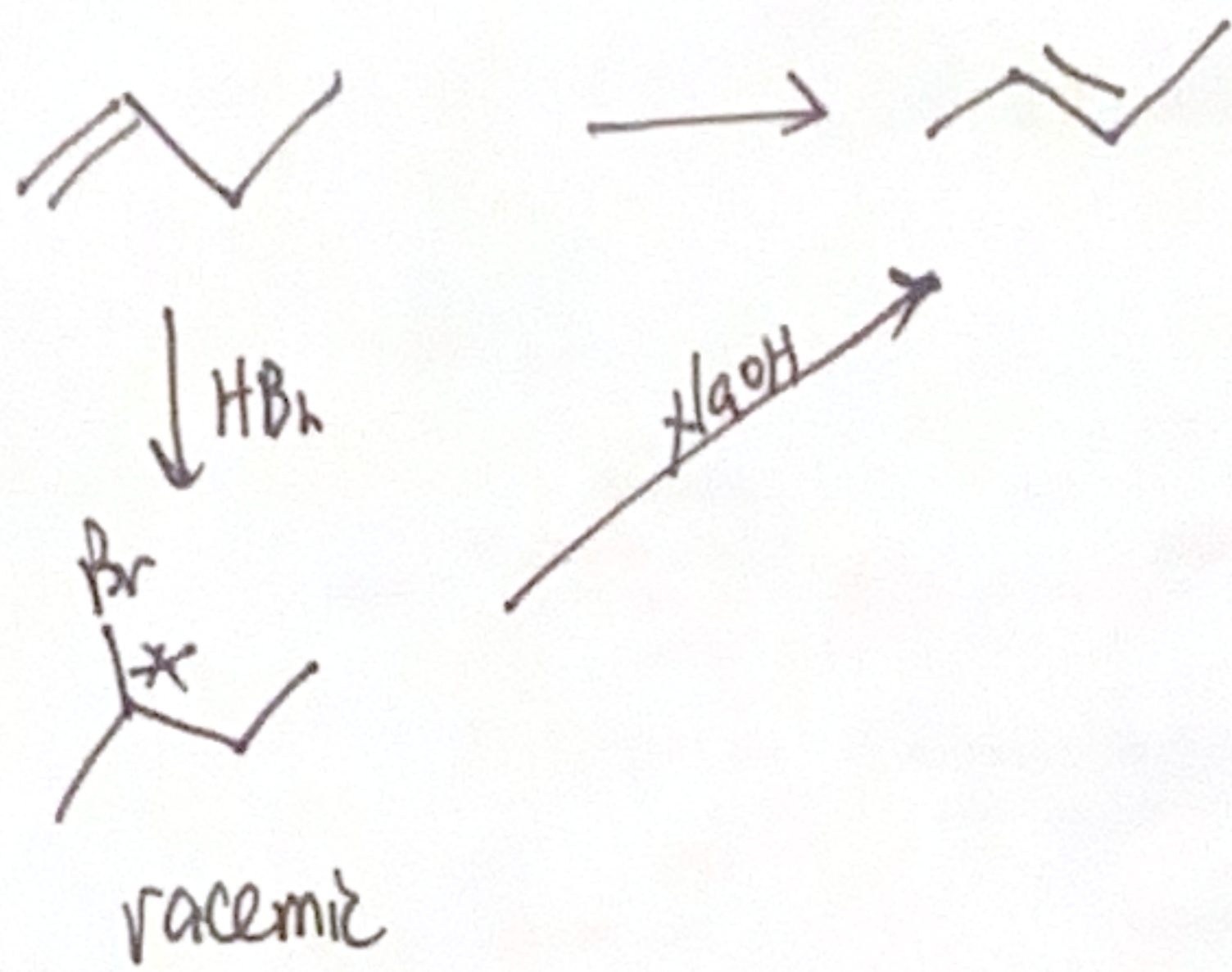
Ex ②



- ① Elimination
- ② Alkyne reduction

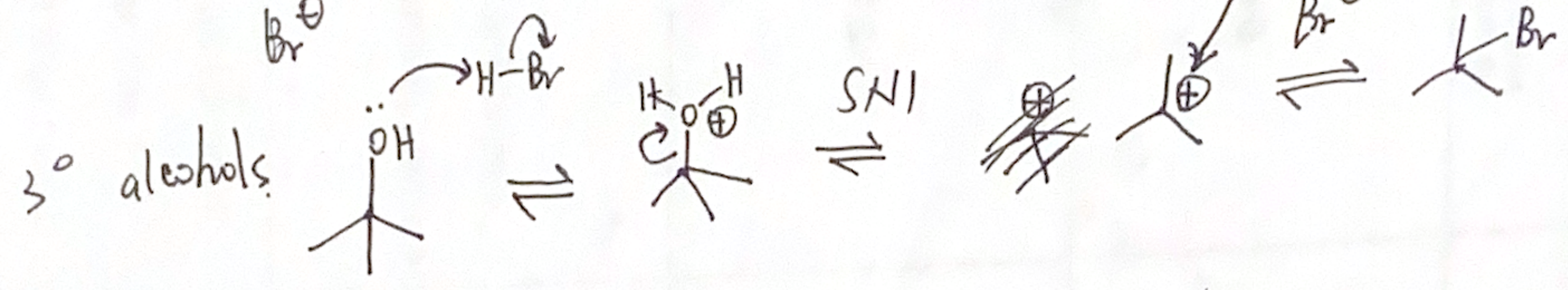
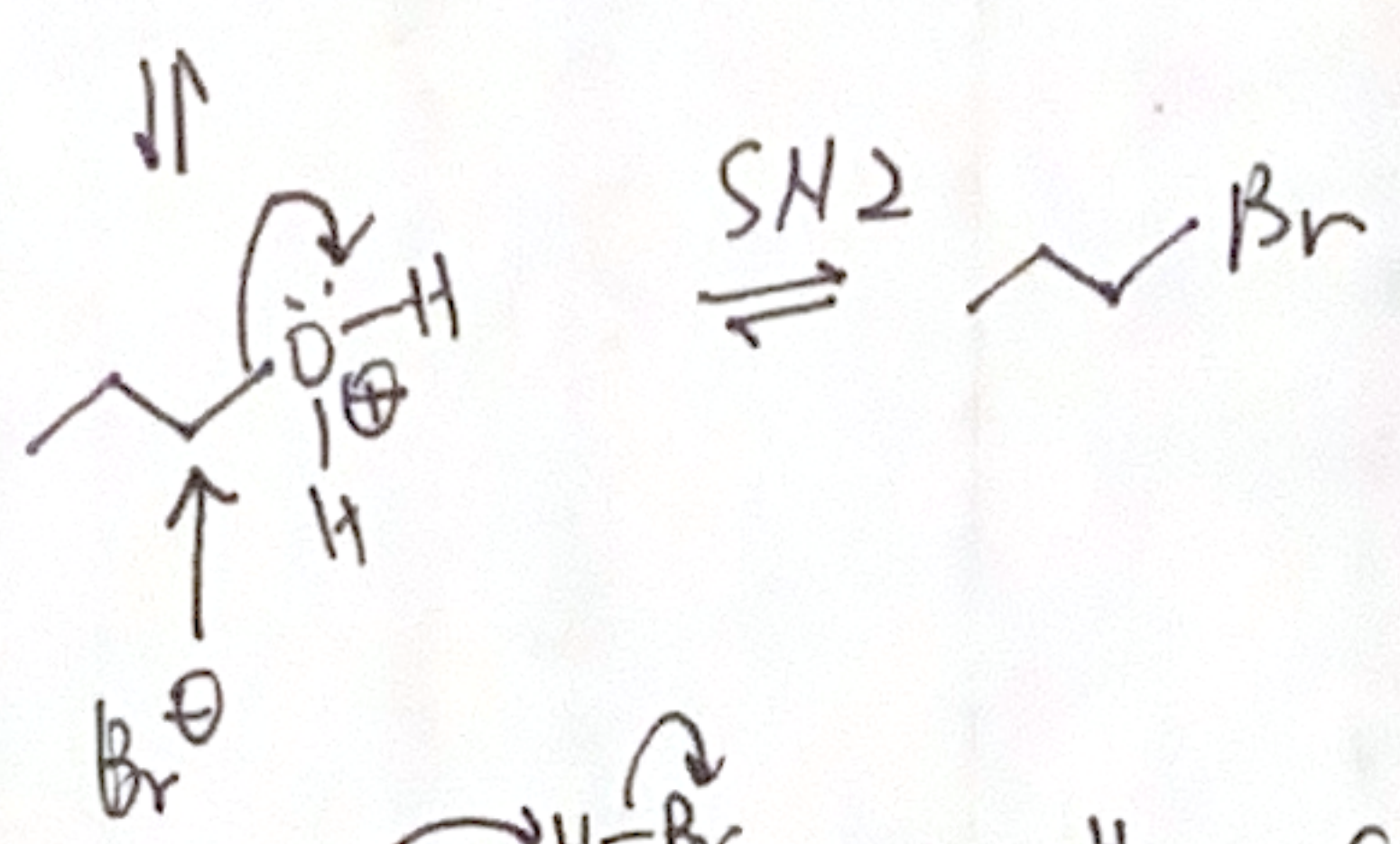
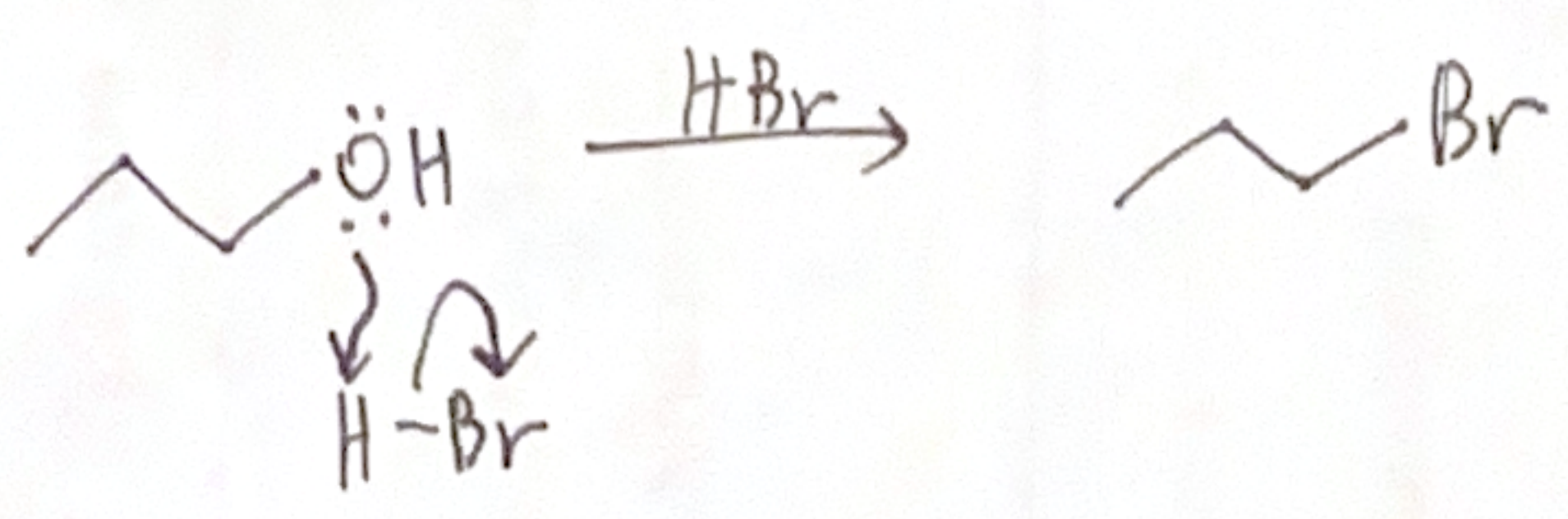




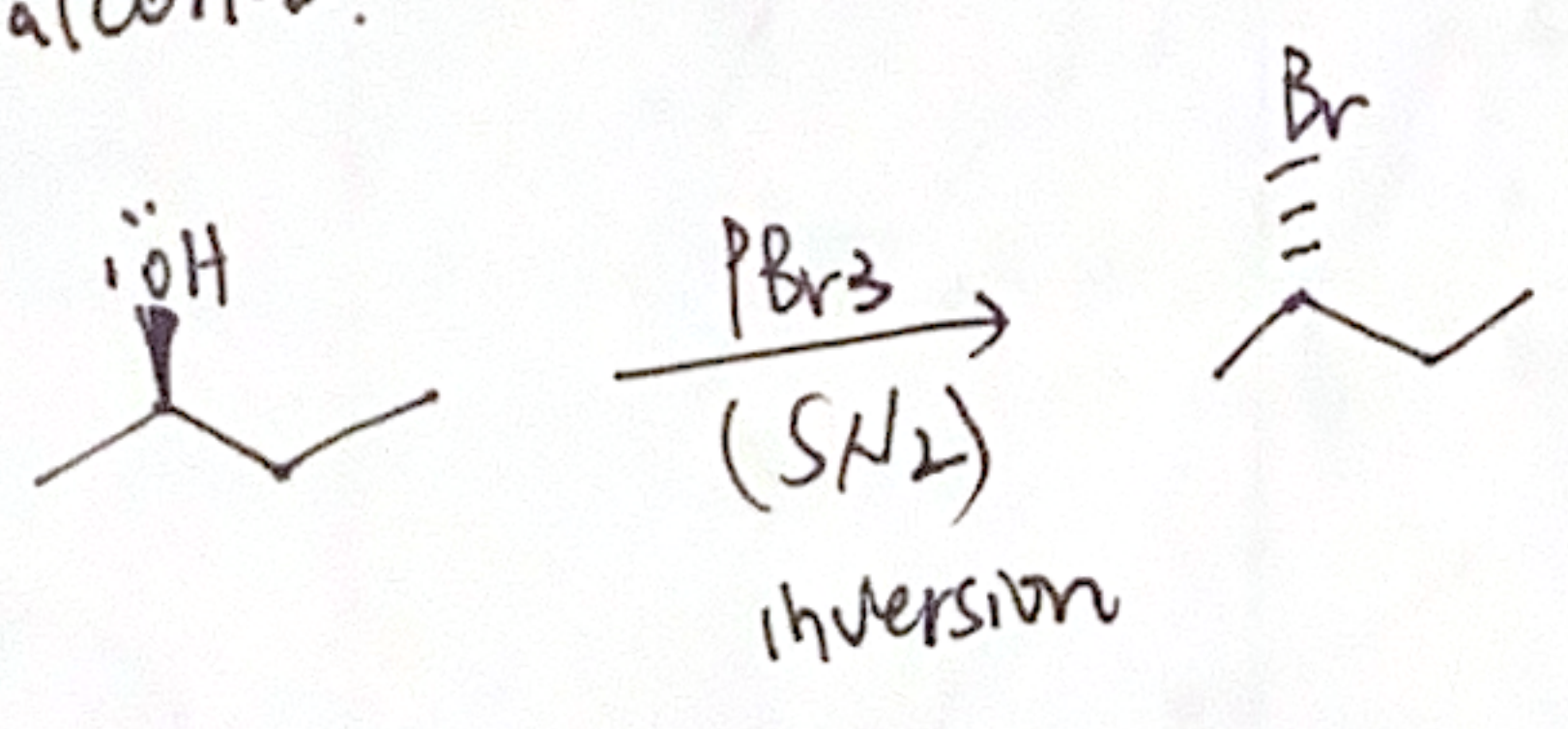




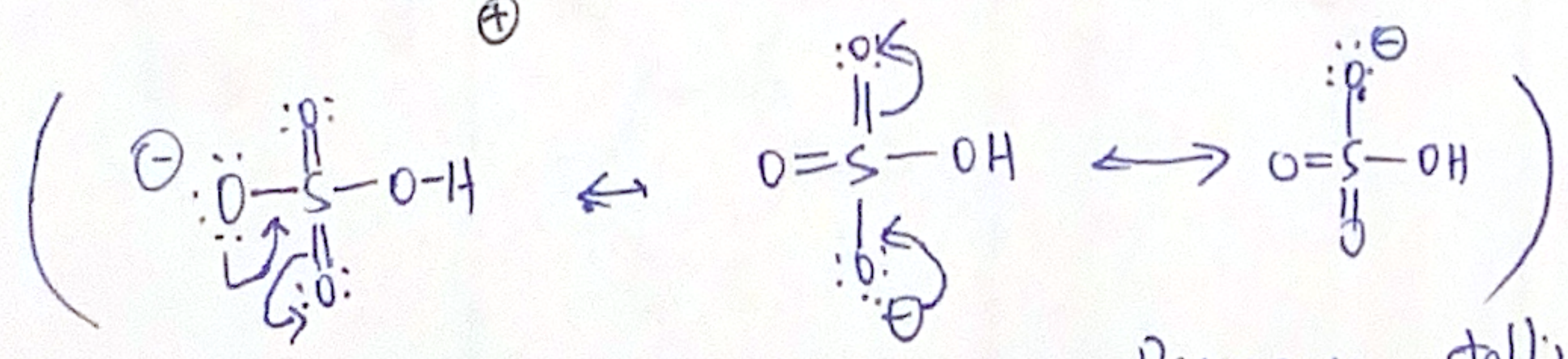
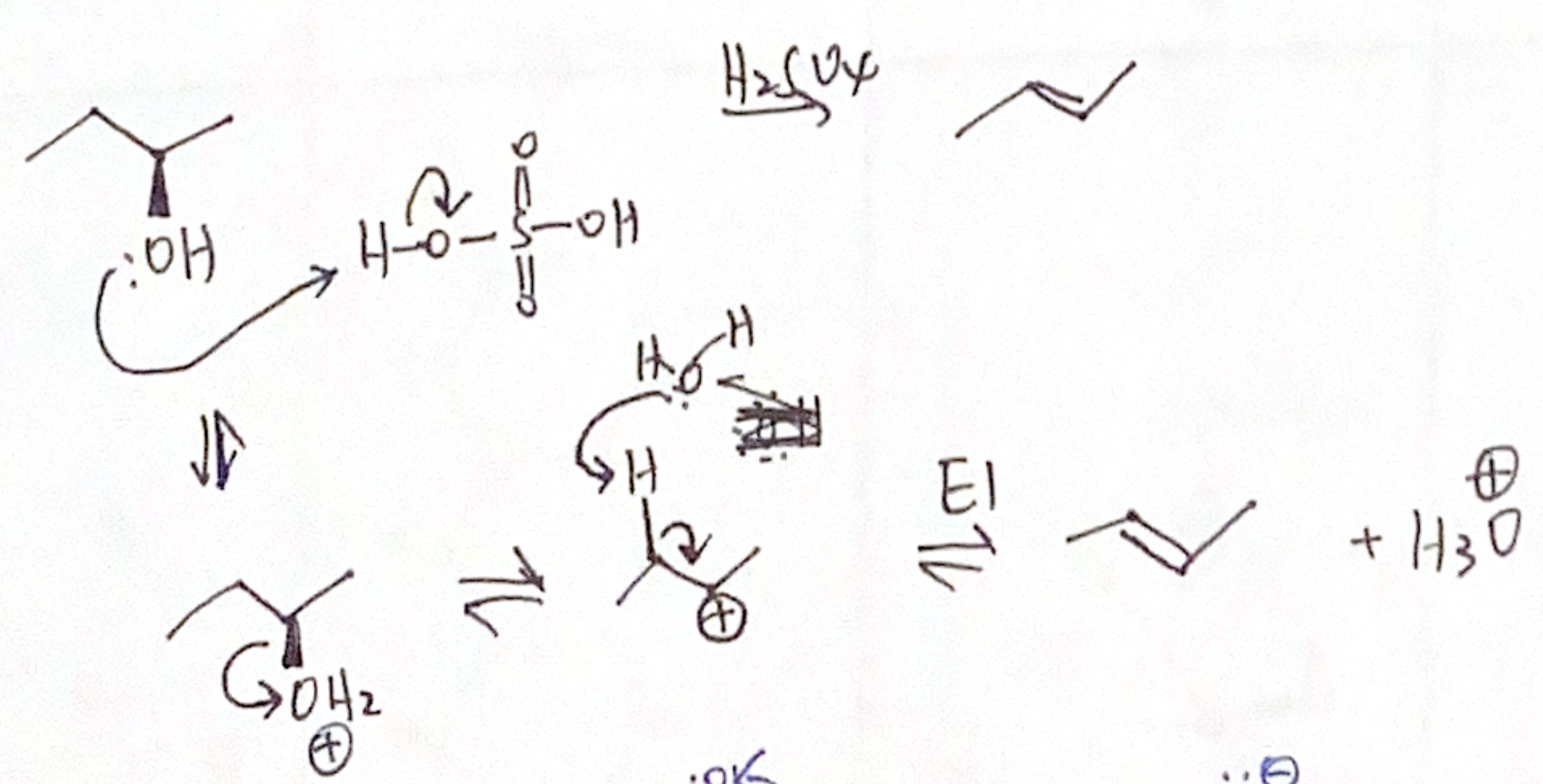
alcohol Alcohol  $\rightarrow$  Alkyl halides



2° alcohols  $\rightarrow$  haloalkane?  $\text{PBr}_3$



Alcohol  $\rightarrow$  Alkene



Resonance stabilizes  $\ominus$  A anion. Not a Nuc.