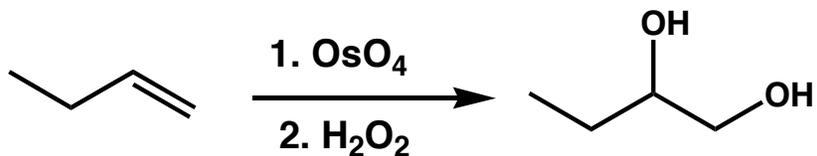
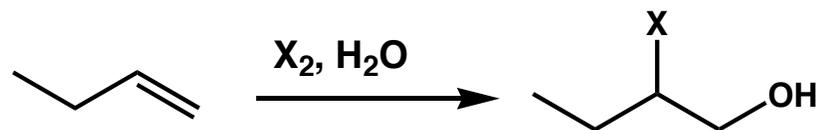
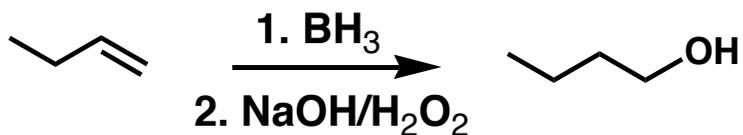


Table of K_a Values

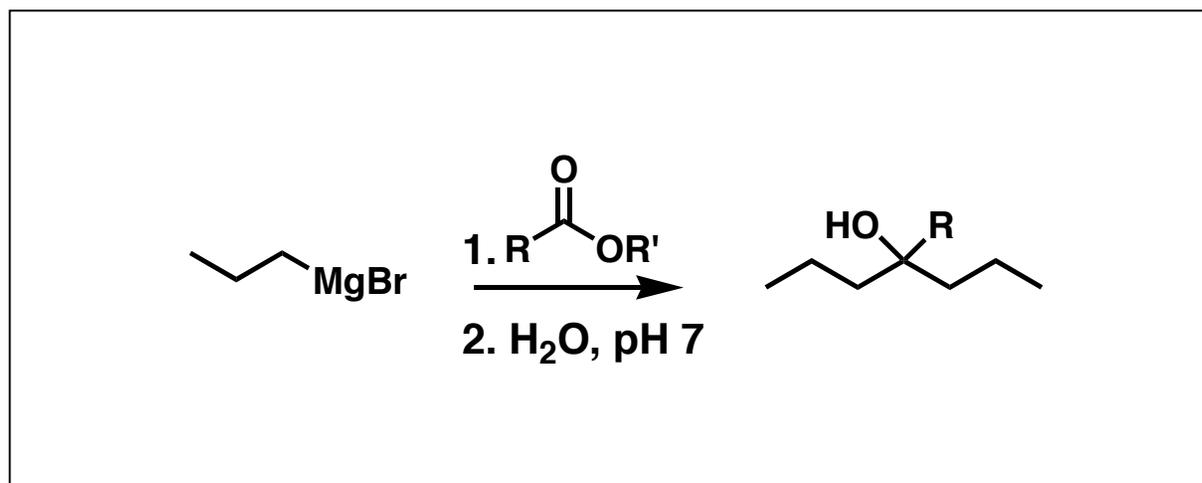
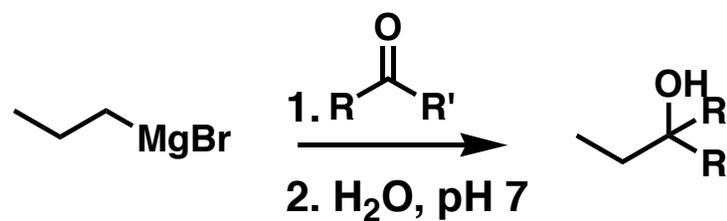
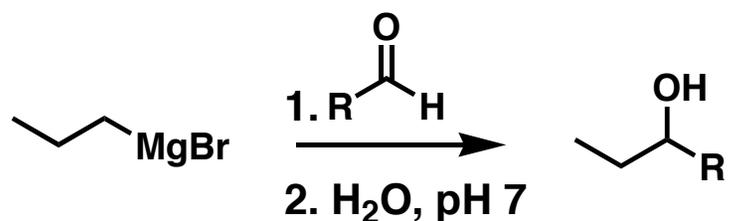
Figure removed due to copyright reasons.

$$\text{p}K_a = (-) \log K_a$$

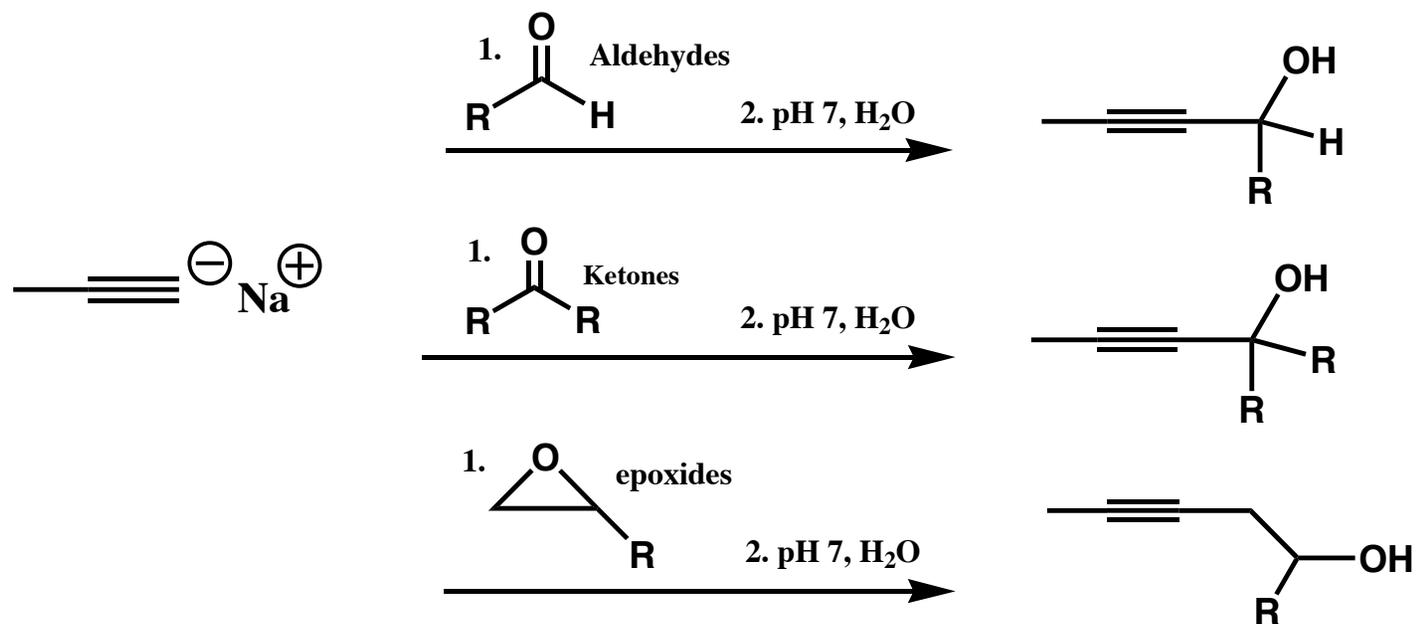
METHODS FOR THE SYNTHESIS OF ALCOHOLS (to date)



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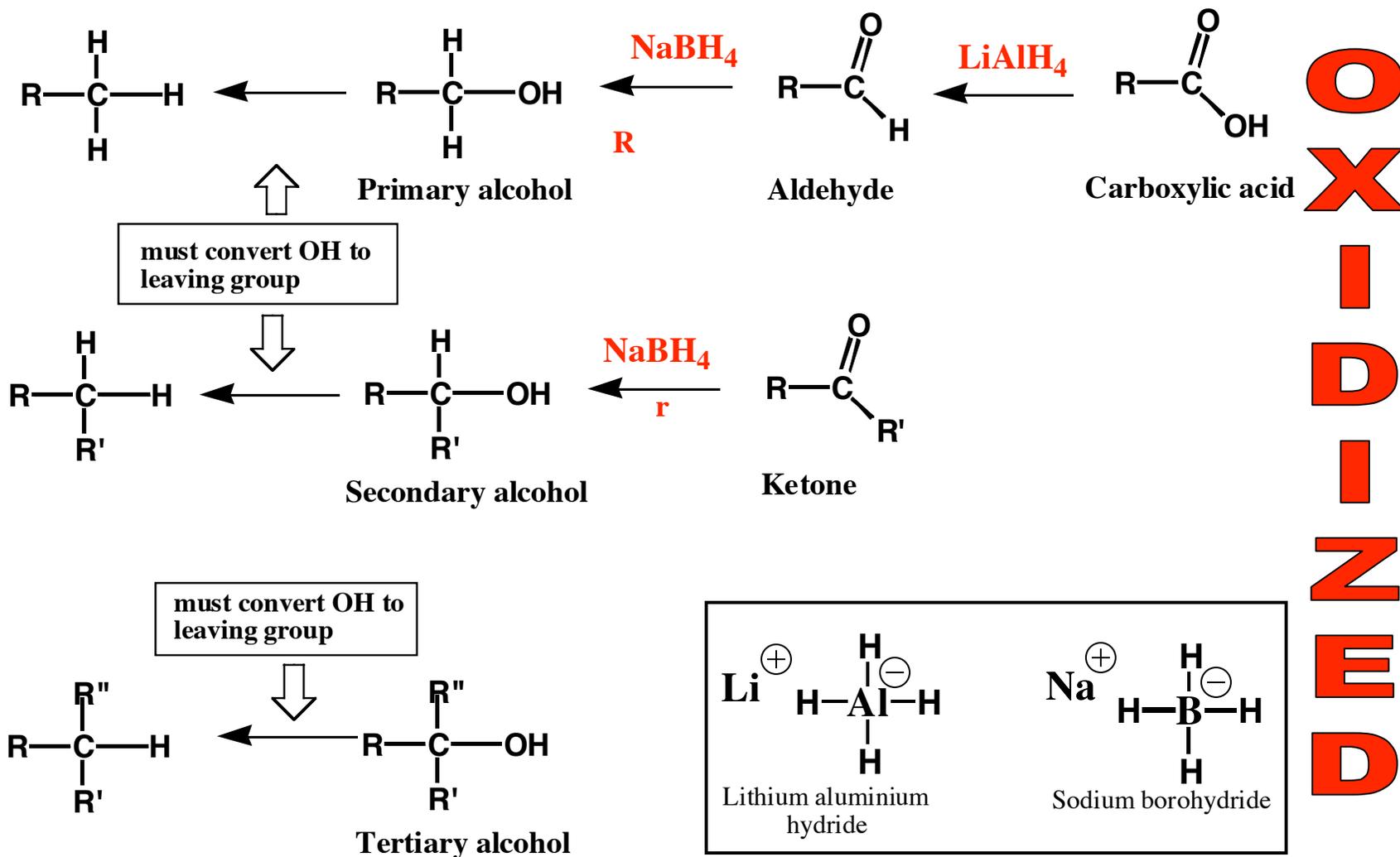
METHODS FOR THE SYNTHESIS OF ALCOHOLS (to date)



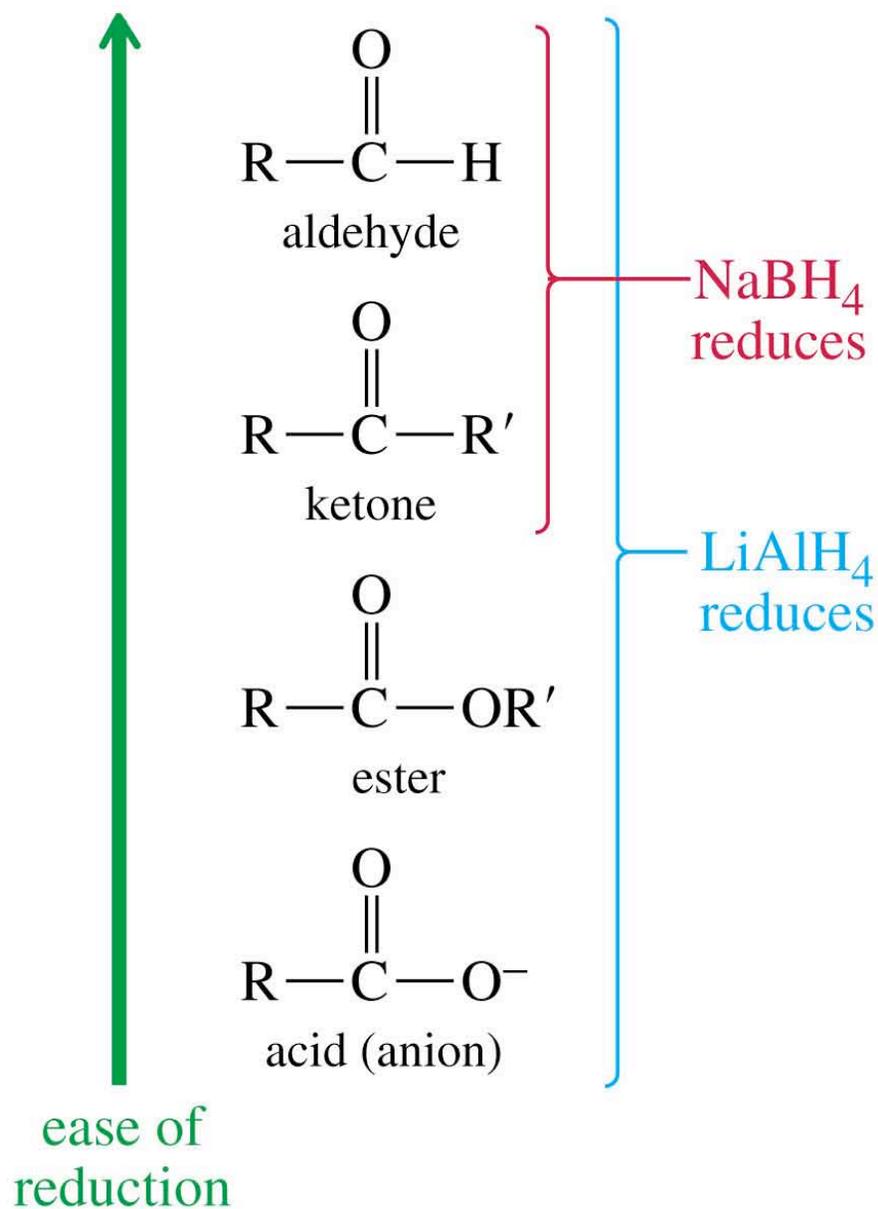
Alcohols, carbonyl compounds and carboxylic acids: REDUCTION

Reduction: Addition of H₂ (or H⁻), loss of O or O₂; loss of X₂

**R
E
D
U
C
E
D**



**O
X
I
D
I
Z
E
D**



Comparison of Reducing Agents

- LiAlH_4 is stronger.
- LiAlH_4 reduces more stable compounds which are resistant to reduction.

Alcohols, carbonyl compounds and carboxylic acids: OXIDATION

Oxidation: loss of H₂, addition of O or O₂, addition of X₂ (halogens)

