

* Aldehyde + Ketone Redox warm-up Answers

① C-O bonds: C-H bonds

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③ Carboxylic Acids: Dicarboxylic Acids

④ Aldehyde



⑥ 1° ROH: 2° ROH

⑦ NaBH_4 is a weak reducer + will only reduce aldehydes + ketones. LiAlH_4 is a strong reducer + will reduce many functional groups.

⑧ hydride (H^-)

⑨ Clemmensen: Wolff-Kishner

⑩ Aldehydes or Ketones: Hydroxylamine ($\text{H}_2\text{N-OH}$):
1° Amines

⑪ Aldehydes or Ketones: 1° Amines (R_1NH_2):
 2° Amines

⑫ Aldehydes or Ketones: 2° Amines (R_2NH):
 3° Amines