







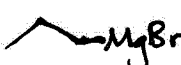
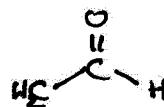

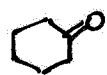

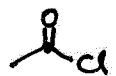
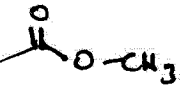
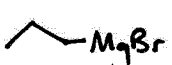

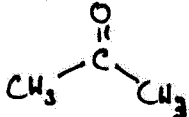
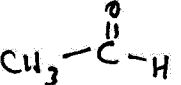
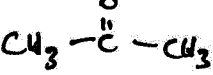
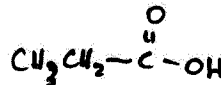
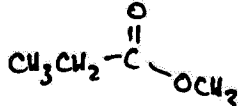


CHAPTER 10 — SYNTHESIS OF ALCOHOLS

1.  $\xrightarrow[\text{H}_2\text{O}]{\text{H}_2\text{SO}_4}$
2.  $\xrightarrow[2) \text{NaBH}_4]{1) \text{Hg}(\text{Ac})_2, \text{H}_2\text{O}}$
3.  $\xrightarrow[2) \text{H}_2\text{O}_2, \text{NaOH}]{1) \text{BH}_3 \cdot \text{TNE}}$
4.  + $\text{KMnO}_4 \xrightarrow[\text{(cold, dilute)}]{\text{NaOH}}$
5.  $\xrightarrow[\text{H}_2\text{O}_2]{\text{OsO}_4}$
6.  $\xrightarrow[\text{H}_2\text{O}]{\text{peroxyacid}, \text{H}^+}$
7.  $\xrightarrow[\text{H}_2\text{O}]{\text{KOH}}$
8.  $\xrightarrow[\Delta]{\text{acetone}/\text{H}_2\text{O}}$ +
9.  +  $\xrightarrow[2) \text{H}_3\text{O}^+]{1) \text{ether}}$
10.  +  $\xrightarrow[2) \text{H}_3\text{O}^+]{1) \text{ether}}$
11.  +  $\xrightarrow[2) \text{H}_3\text{O}^+]{1) \text{ether}}$
12.  +  $\xrightarrow[2) \text{H}_3\text{O}^+]{1) \text{ether}}$
13.  + $\xrightarrow[2) \text{H}_3\text{O}^+]{1) \text{CH}_2=\text{CH}_2}$
14.  + $\text{H}_2 \xrightarrow{\text{Raney Ni}}$
15.  $\xrightarrow{\text{NaBH}_4}$
16.  $\xrightarrow{\text{NaBH}_4}$
17.  $\xrightarrow[2) \text{H}_3\text{O}^+]{1) \text{LiAlH}_4}$
18.  $\xrightarrow[2) \text{H}_3\text{O}^+]{1) \text{LiAlH}_4}$