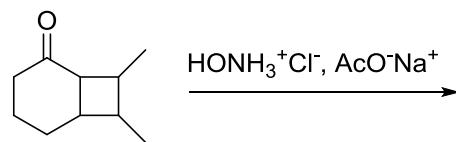
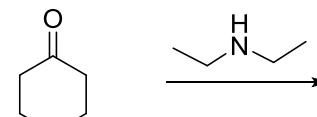
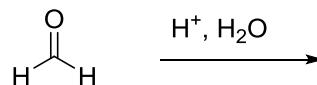
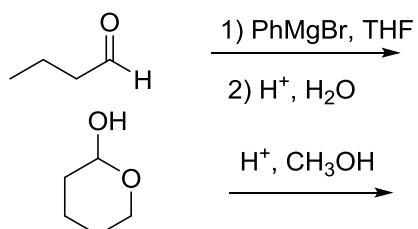
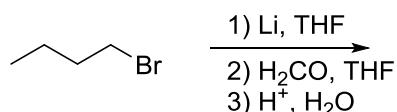
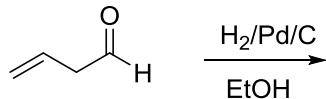
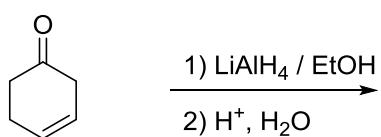
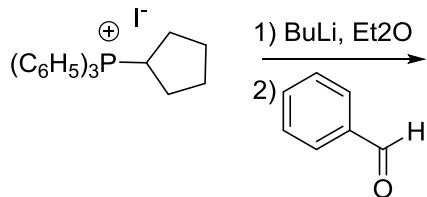
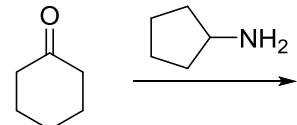
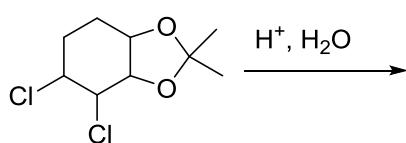
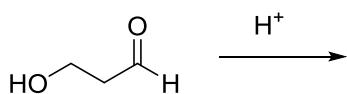
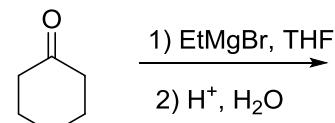
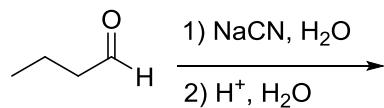
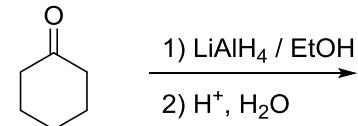
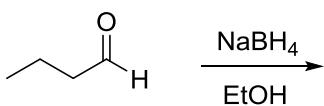
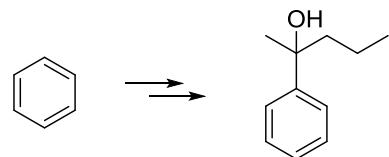


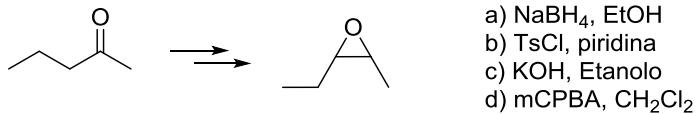
1. Completare le seguenti reazioni.



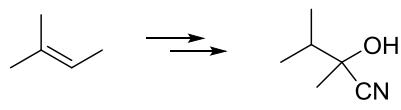
2. Individuare i reagenti e gli intermedi nelle seguenti trasformazioni



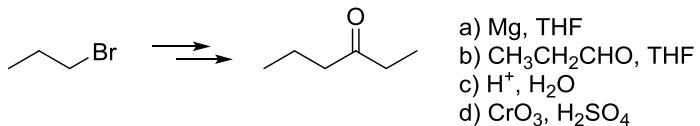
- a) $\text{Br}_2, \text{FeBr}_3$
- b) Mg, THF
- c) $\text{CH}_3\text{COCH}_2\text{CH}_2\text{CH}_3, \text{THF}$
- d) $\text{H}^+, \text{H}_2\text{O}$



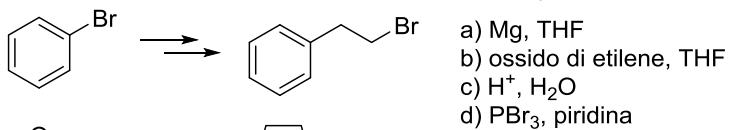
- a) $\text{NaBH}_4, \text{EtOH}$
- b) TsCl , piridina
- c) KOH , Etanolo
- d) $\text{mCPBA}, \text{CH}_2\text{Cl}_2$



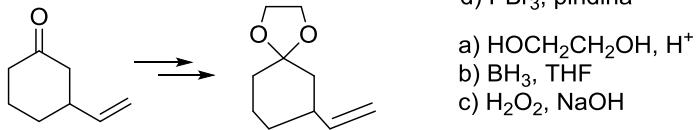
- a) BH_3, THF
- b) $\text{H}_2\text{O}_2, \text{NaOH}$
- c) $\text{CrO}_3, \text{H}_2\text{SO}_4$
- d) NaCN



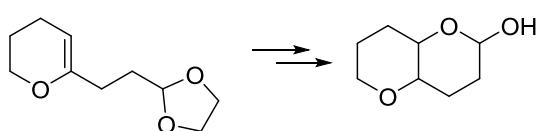
- a) Mg, THF
- b) $\text{CH}_3\text{CH}_2\text{CHO}, \text{THF}$
- c) $\text{H}^+, \text{H}_2\text{O}$
- d) $\text{CrO}_3, \text{H}_2\text{SO}_4$



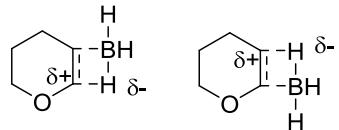
- a) Mg, THF
- b) ossido di etilene, THF
- c) $\text{H}^+, \text{H}_2\text{O}$
- d) PBr_3 , piridina



- a) $\text{HOCH}_2\text{CH}_2\text{OH}, \text{H}^+$
- b) BH_3, THF
- c) $\text{H}_2\text{O}_2, \text{NaOH}$



- a) BH_3, THF
- b) $\text{H}_2\text{O}_2, \text{NaOH}$
- c) H^+



more stable because the positive charge is can be delocalized on oxygen

3. Preparare con la reazione di Wittig i seguenti composti

