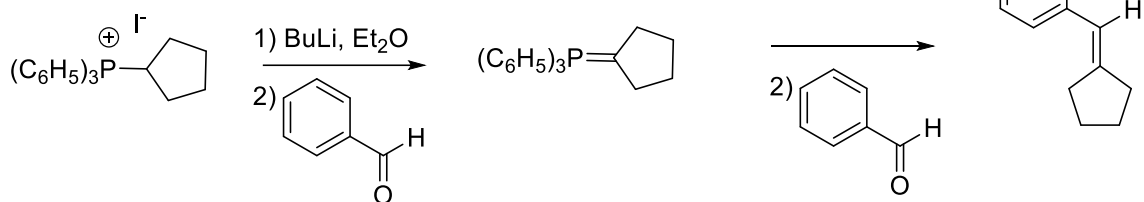
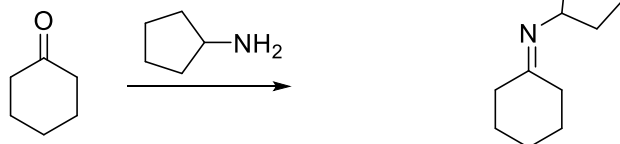
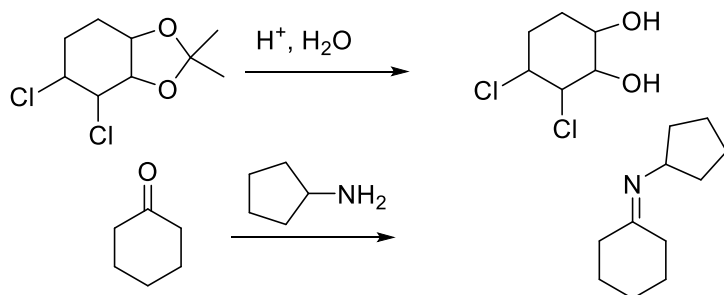
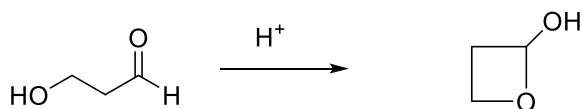
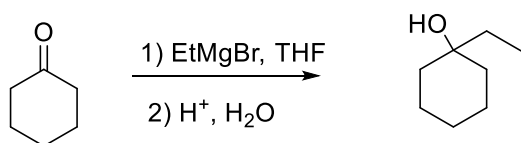
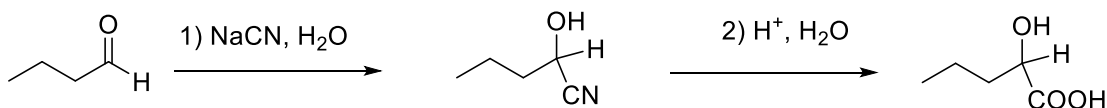
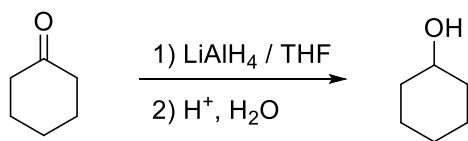
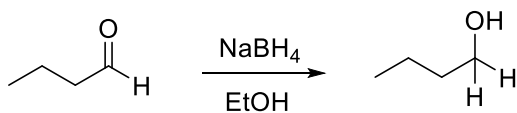
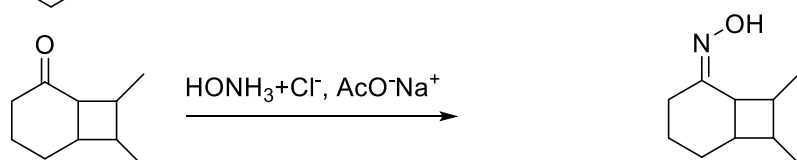
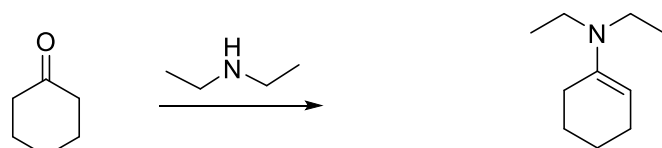
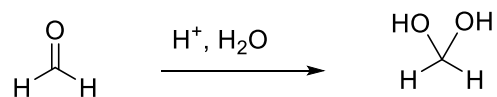
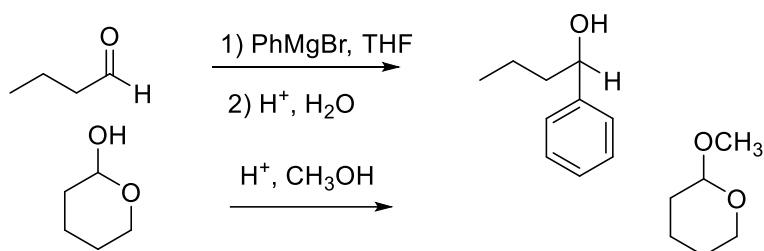
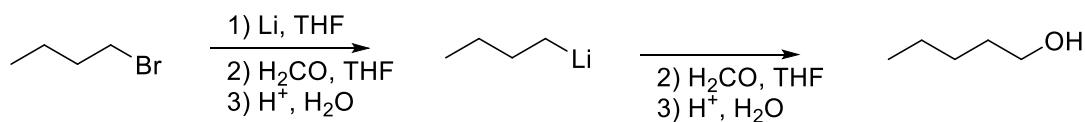
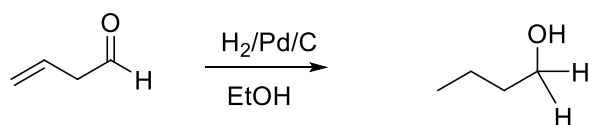
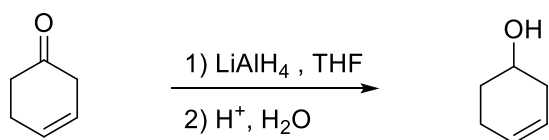
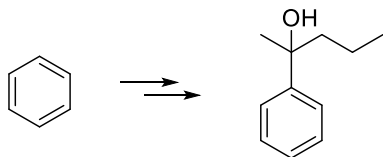


1. Completare le seguenti reazioni.

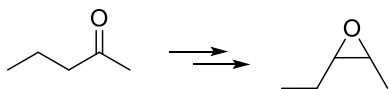




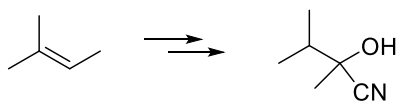
2. Individuare i reagenti e gli intermedi nelle seguenti trasformazioni



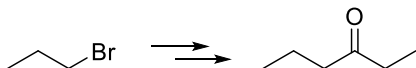
- a) Br_2 , FeBr_3
- b) Mg , THF
- c) $\text{CH}_3\text{COCH}_2\text{CH}_2\text{CH}_3$, THF
- d) H^+ , H_2O



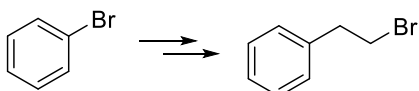
- a) NaBH_4 , EtOH
- b) TsCl , piridina
- c) KOH , Etanolo
- d) mCPBA, CH_2Cl_2



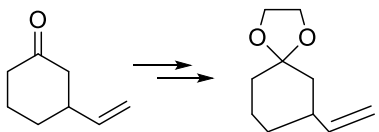
- a) BH_3 , THF
- b) H_2O_2 , NaOH
- c) CrO_3 , H_2SO_4
- d) NaCN



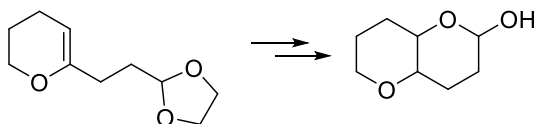
- a) Mg , THF
- b) $\text{CH}_3\text{CH}_2\text{CHO}$, THF
- c) H^+ , H_2O
- d) CrO_3 , H_2SO_4



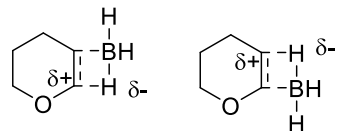
- a) Mg , THF
- b) ossido di etilene, THF
- c) H^+ , H_2O
- d) PBr_3 , piridina



- a) $\text{HOCH}_2\text{CH}_2\text{OH}$, H^+
- b) BH_3 , THF
- c) H_2O_2 , NaOH



- a) BH_3 , THF
- b) H_2O_2 , 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

