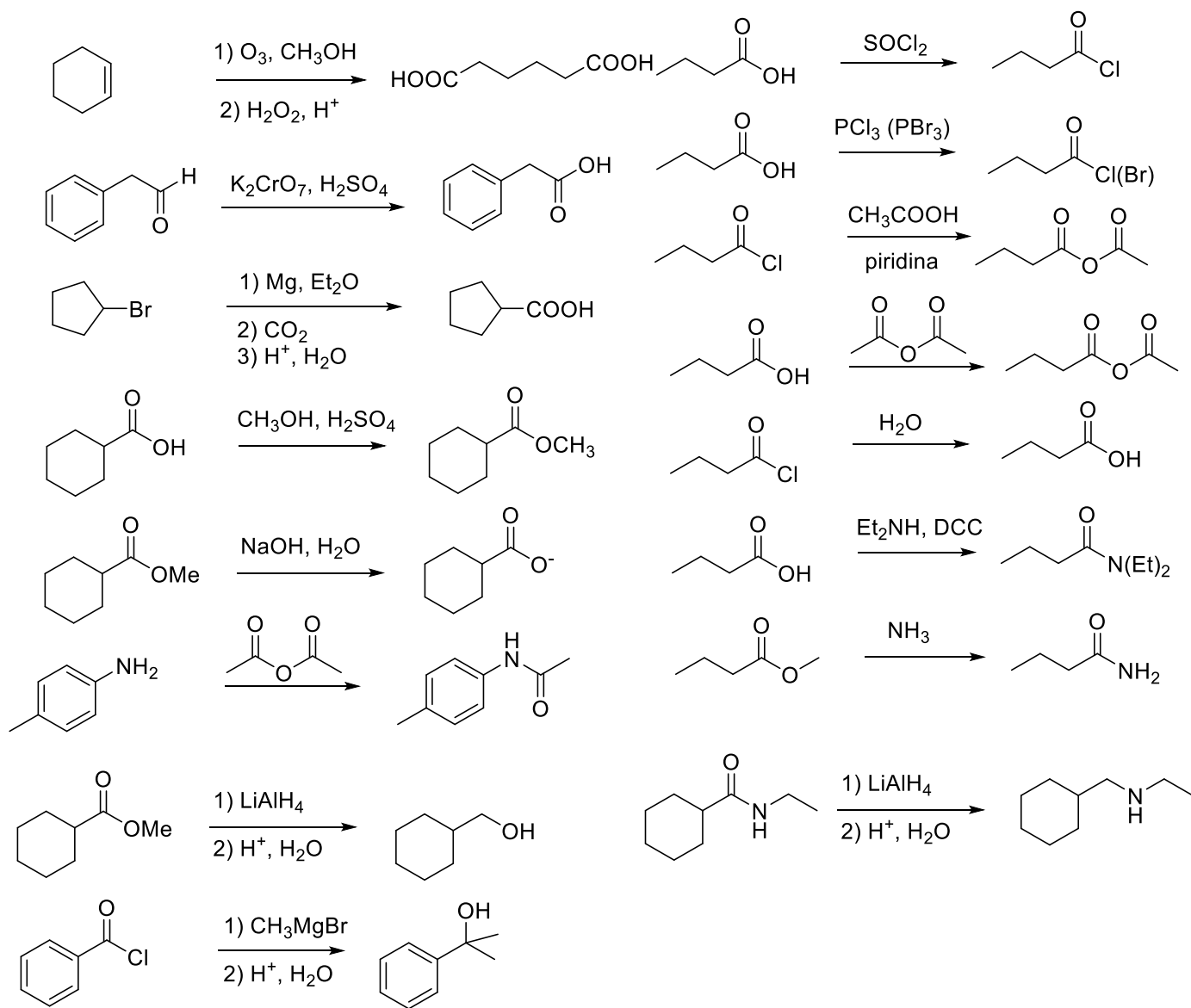
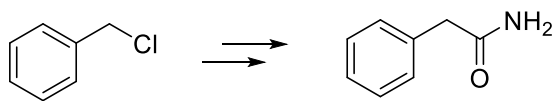


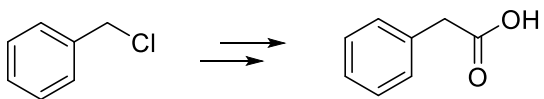
1) Completare le seguenti reazioni.



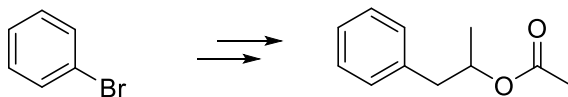
2. Scrivere i reagenti e gli intermedi delle seguenti trasformazioni.



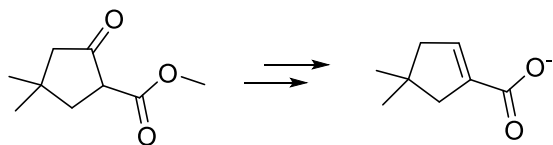
1) NaCN, etanolo
2) H₂O, HCl, 40 °C, 1h



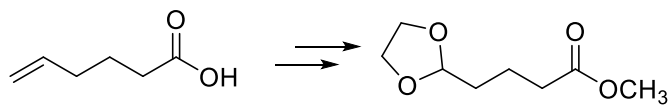
1) NaCN, etanolo
2) H₂O, H₂SO₄, 100 °C, 1h



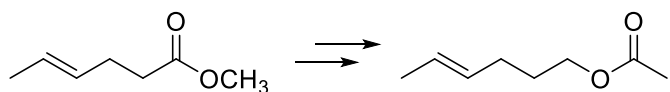
1) Li
2) epossido
3) anidride acetica



1) NaBH₄, EtOH
2) SOCl₂
3) CH₃ONa, MeOH
4) NaOH, H₂O



1) CH₃OH, TsOH
2) O₃, Zn (o CH₃SCH₃)
3) HOCH₂CH₂OH, H⁺



1) LiAlH₄, THF
2) H⁺, H₂O
3) Ac₂O, piridina