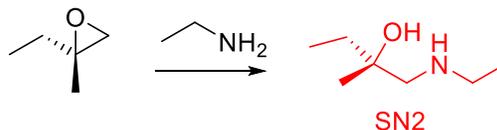
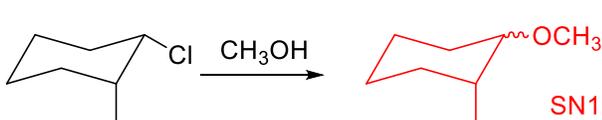
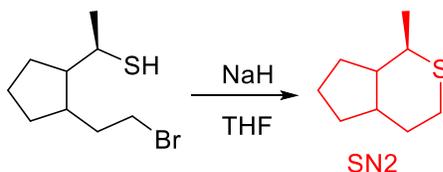
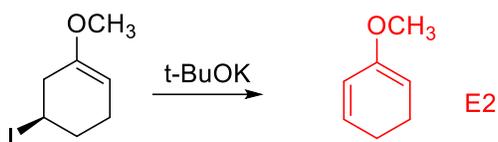


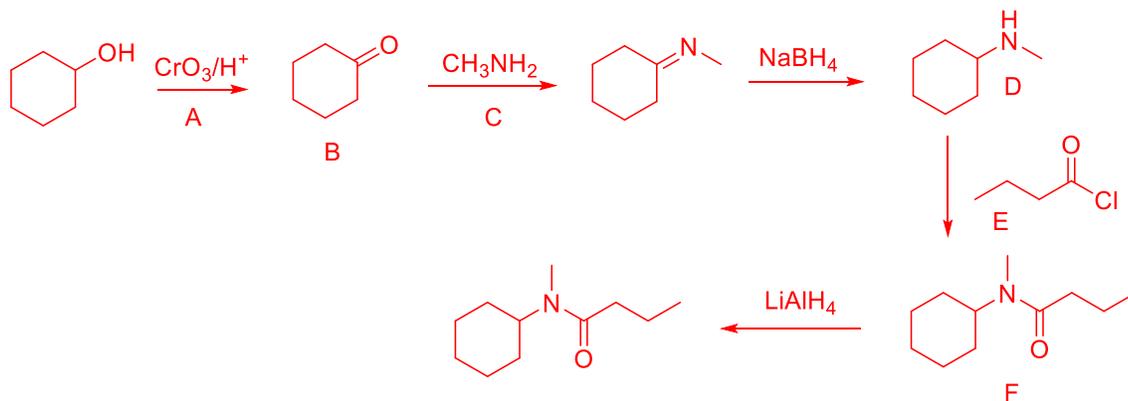
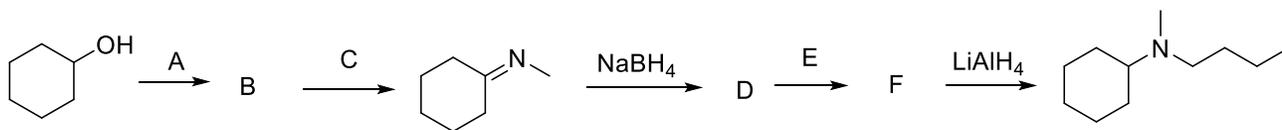
1) Mettere in ordine crescente di nucleofilicità i seguenti composti: CH_3S^- , ione acetato, H_2O , CH_3OH_2^+ , OH^- .



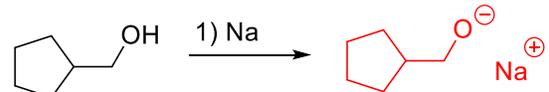
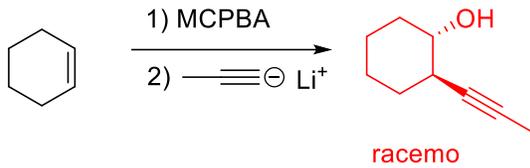
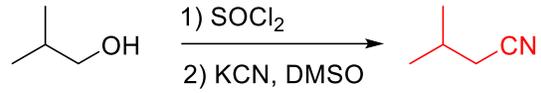
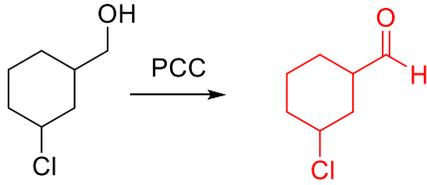
2) Scrivere i prodotti delle seguenti reazioni indicando anche la loro stereochimica, se rilevante, e il tipo di meccanismo con cui avviene la reazione.



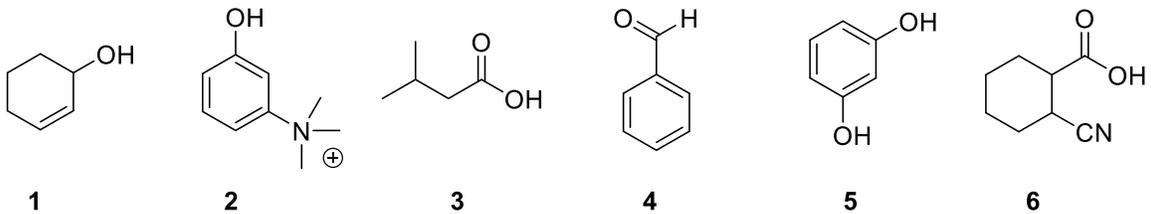
3) Completare il seguente schema di reazioni



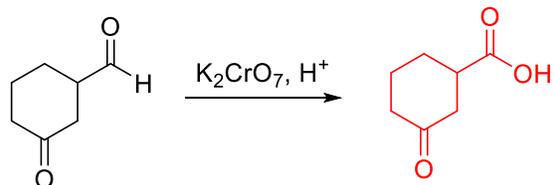
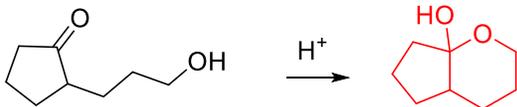
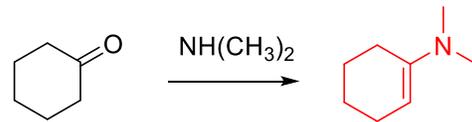
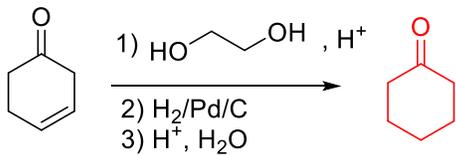
4) Scrivere i prodotti delle seguenti reazioni indicando anche la loro stereochimica, se rilevante.



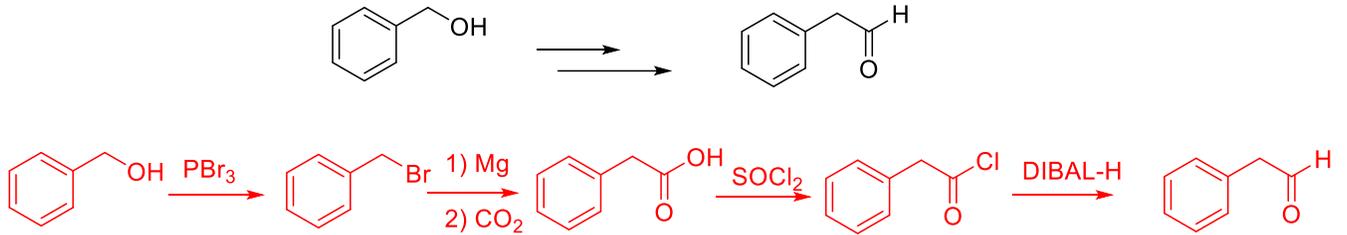
5) Mettere in ordine di acidità crescente i seguenti composti:



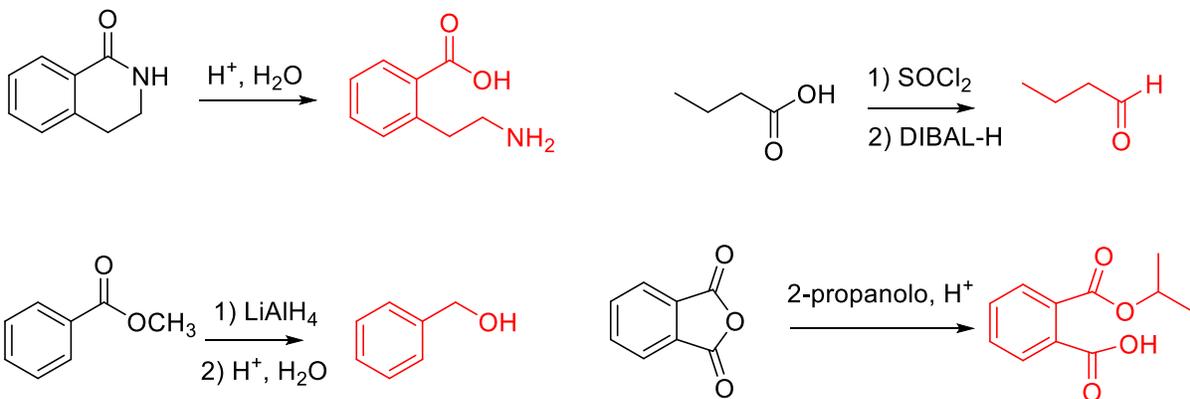
6) Scrivere i prodotti delle seguenti reazioni



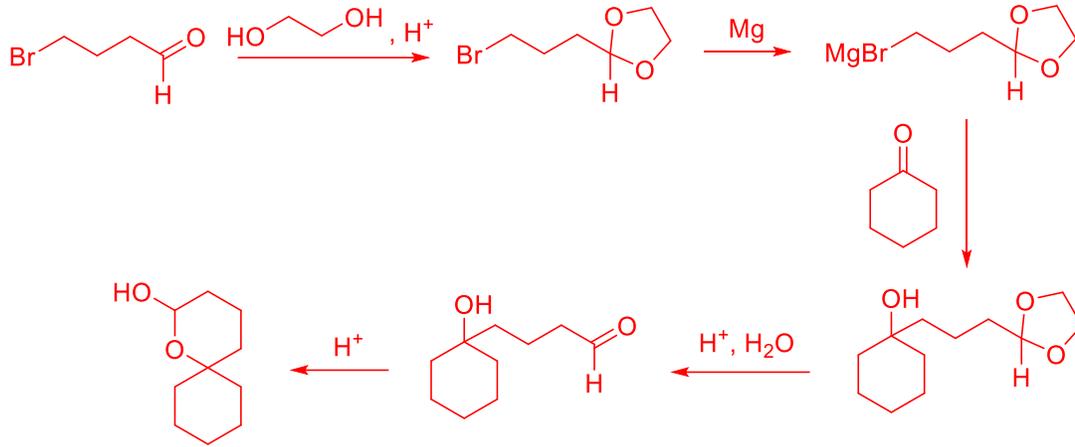
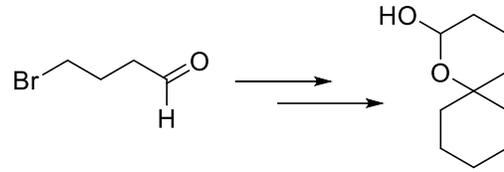
7) Proporre una sequenza di reazioni per eseguire la seguente trasformazione



8) Scrivere i prodotti delle seguenti reazioni



9) Proporre una sequenza di reazioni per eseguire la seguente trasformazione (Suggerimento: in uno stadio utilizzare cicloesanone come reagente)



10. Scrivere il meccanismo della reazione tra *t*-butanolo e HCl.