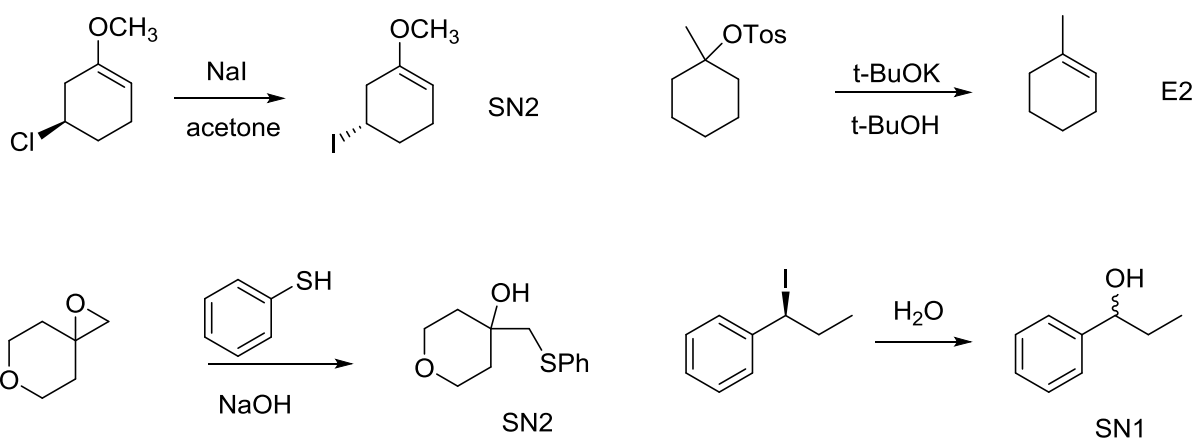


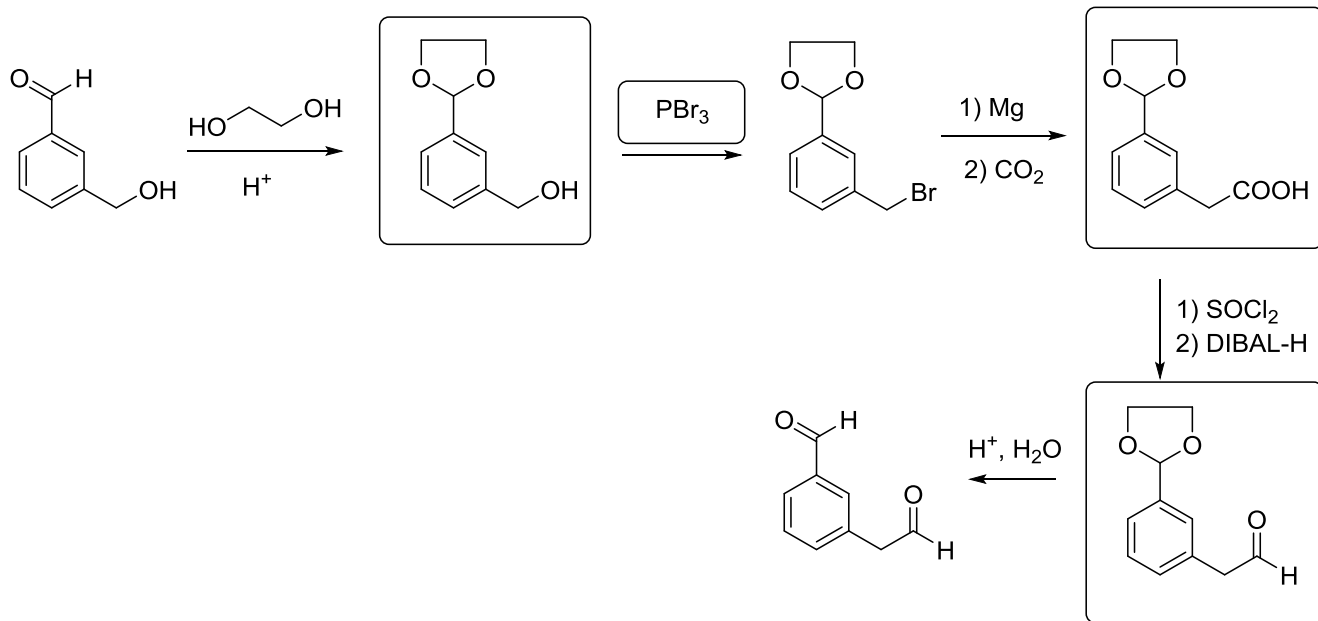
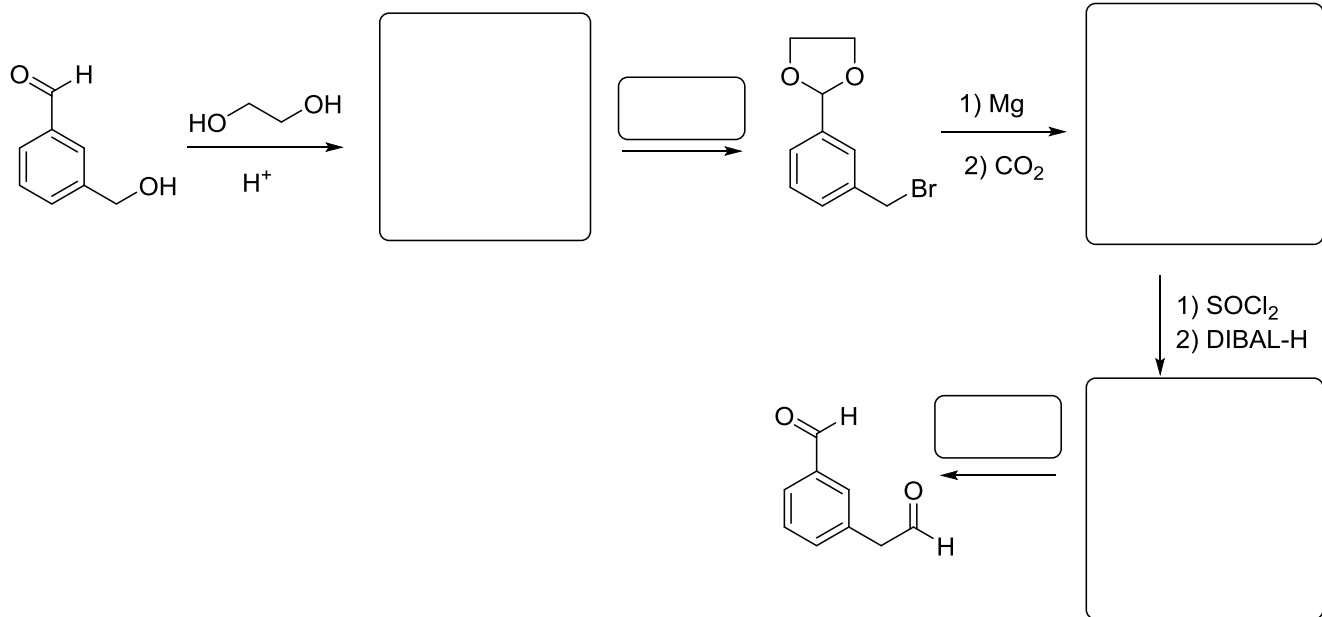
1) Nella reazione con SH^- in DMSO ordinare in ordine di velocità decrescente i seguenti substrati: isopropilbromuro, etilioduro, propanolo, cicloesano, metilbromuro, etilammina.

Etilioduro > metilbromuro > isopropilbromuro > propanolo > cicloesano > etilammina

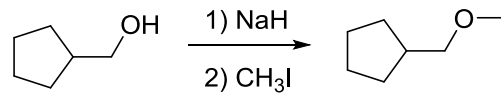
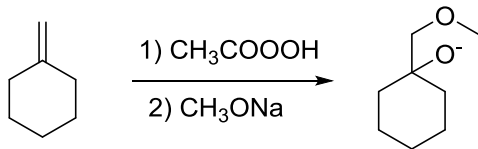
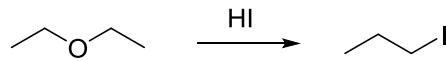
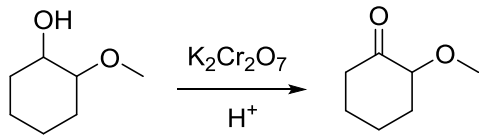
2) Scrivere i prodotti delle seguenti reazioni indicando anche la loro stereochimica, se rilevante, e il tipo di meccanismo con cui avviene la reazione.



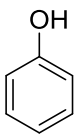
3) Completare il seguente schema di reazioni



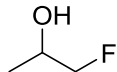
4) Scrivere i prodotti delle seguenti reazioni



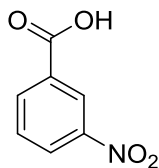
5) Mettere in ordine di acidità crescente i seguenti composti:



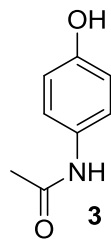
4



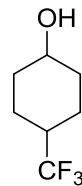
2



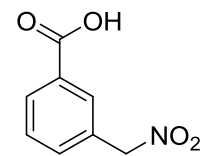
6



3

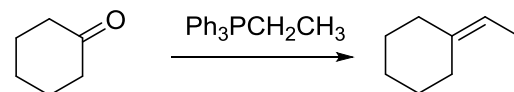
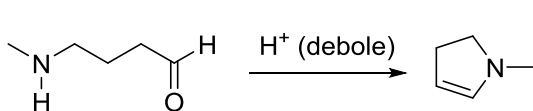
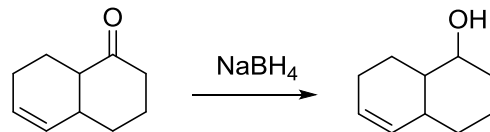
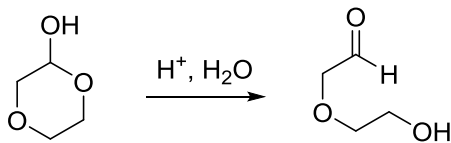


1

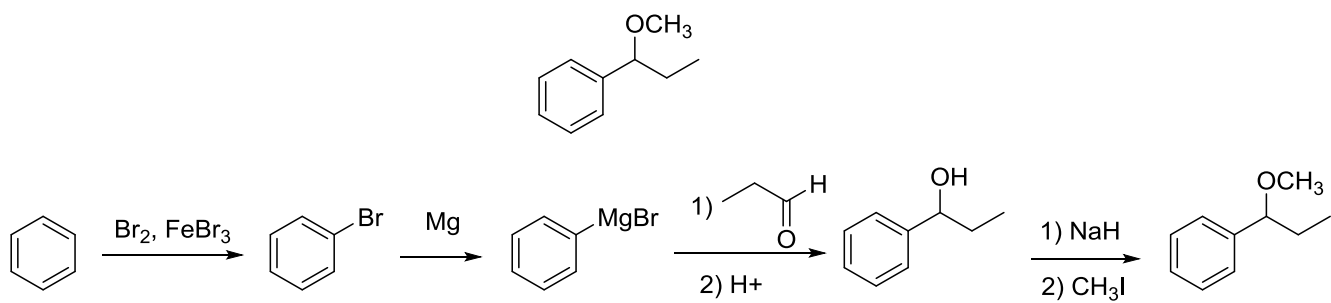


5

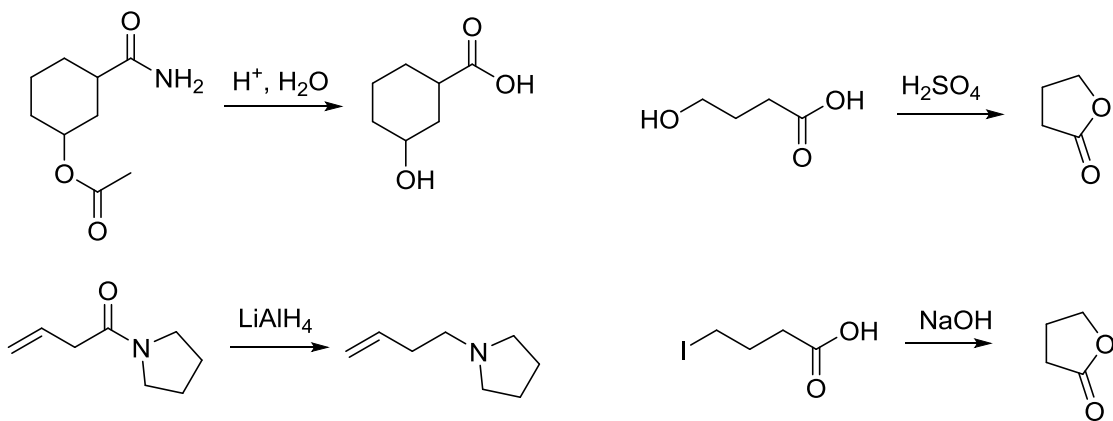
6) Scrivere i prodotti delle seguenti reazioni



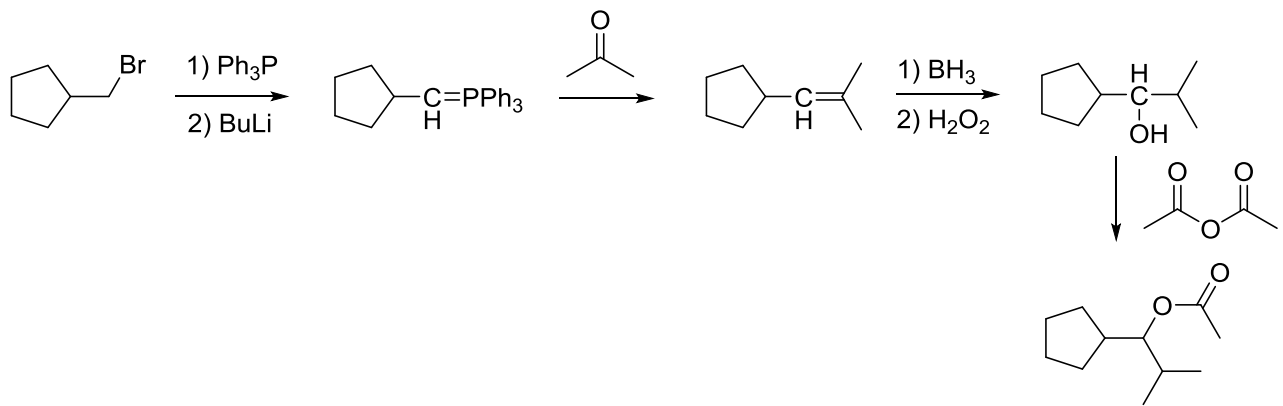
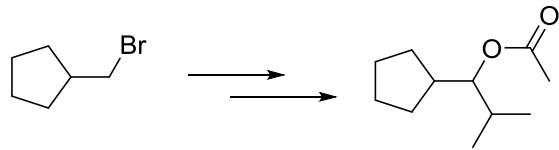
7.) Proporre una sintesi del seguente composto a partire dal benzene



8) Scrivere i prodotti delle seguenti reazioni



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



10. Descrivere il meccanismo della esterificazione di Fischer tra l'acido acetico e l'etanolo.