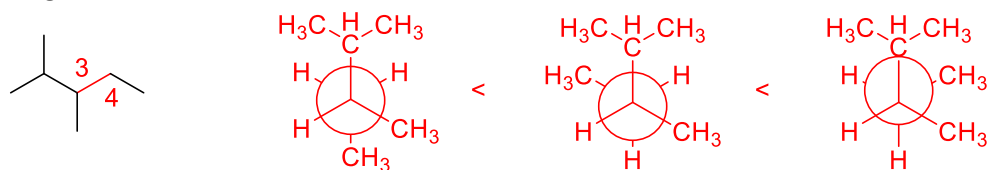
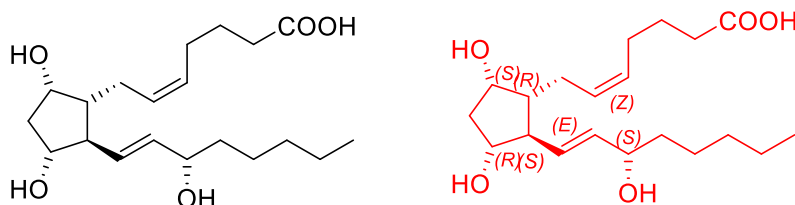


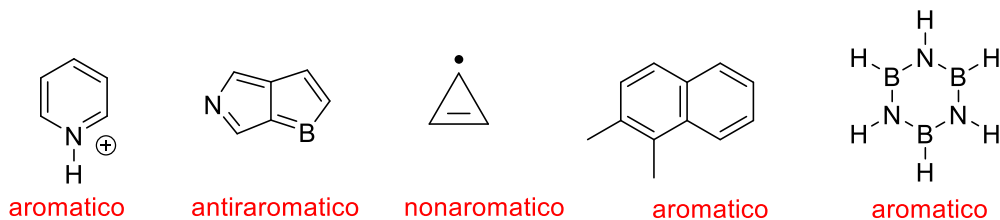
1) Scrivere le proiezioni di Newman lungo il legame C3-C4 dei conformeri sfalsati del 2,3-dimetilpentano e ordinarli per energia crescente.



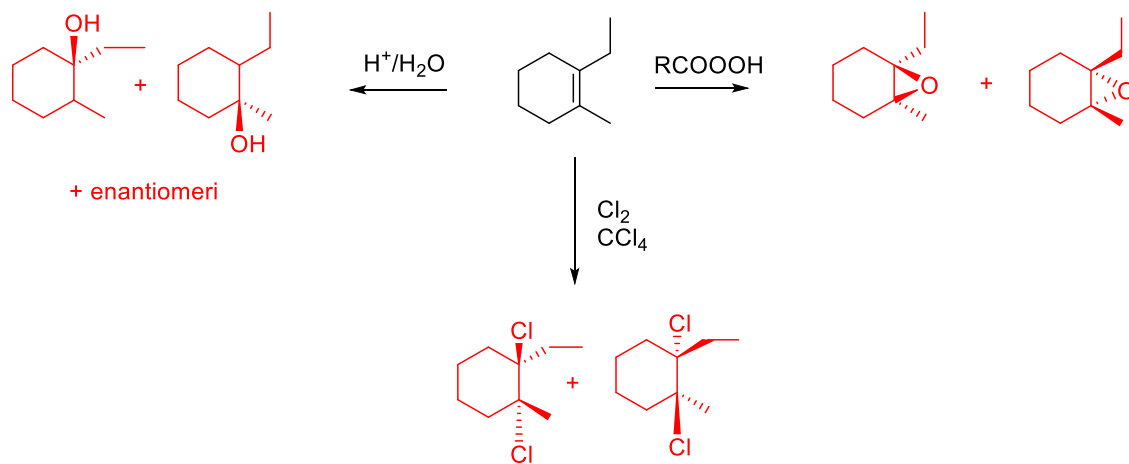
2) Assegnare la configurazione dei centri stereogenici e dei doppi legami presenti nella prostaglandina F_{2α}.



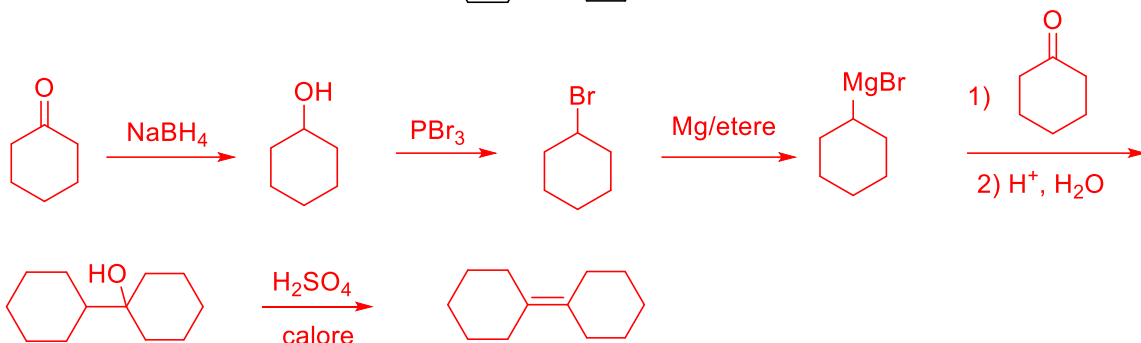
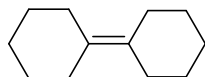
3) Determinare quali dei seguenti composti sono aromatici, anti-aromatici o non aromatici.



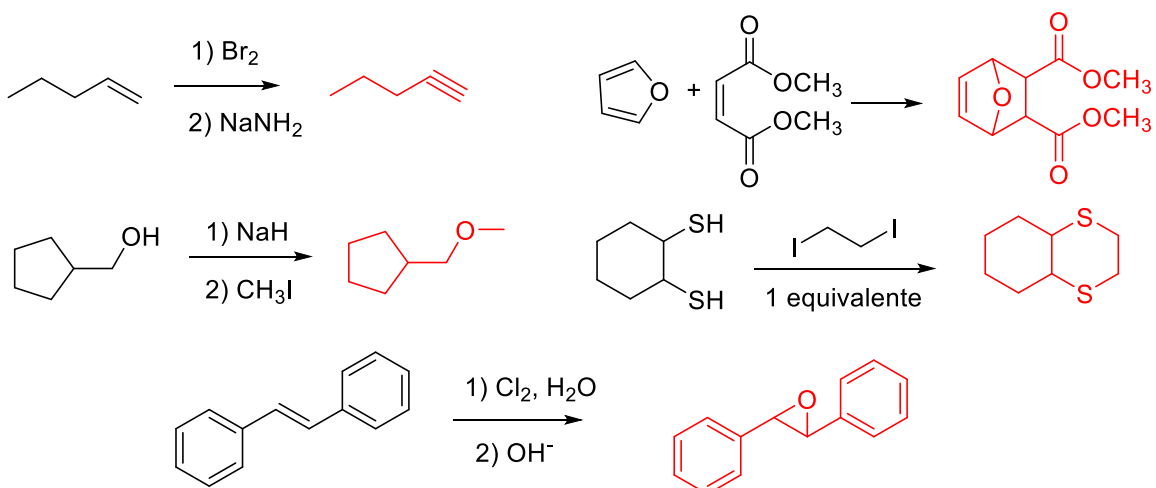
4) Completare le seguenti reazioni facendo attenzione alla stereochimica dei prodotti:



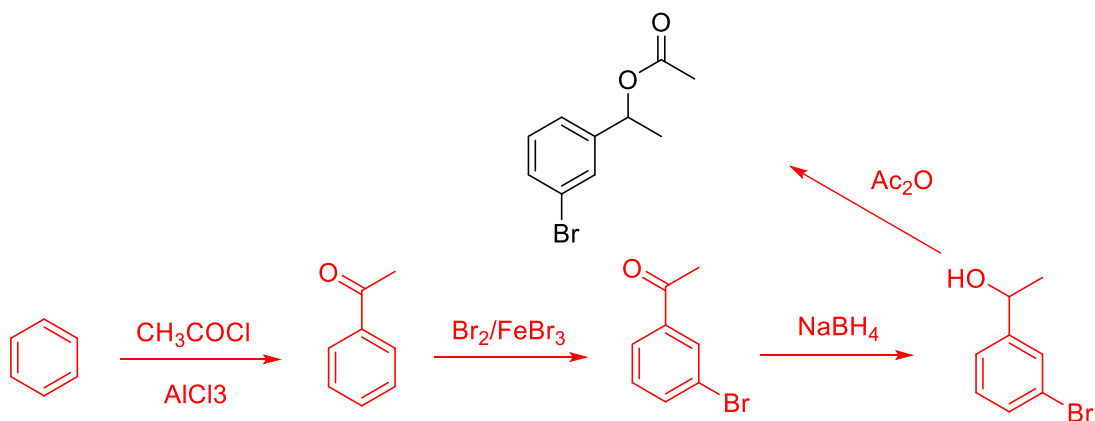
5) Proporre una sintesi del composto sotto illustrato utilizzando solo il cicloesanoone come fonte di atomi di carbonio.



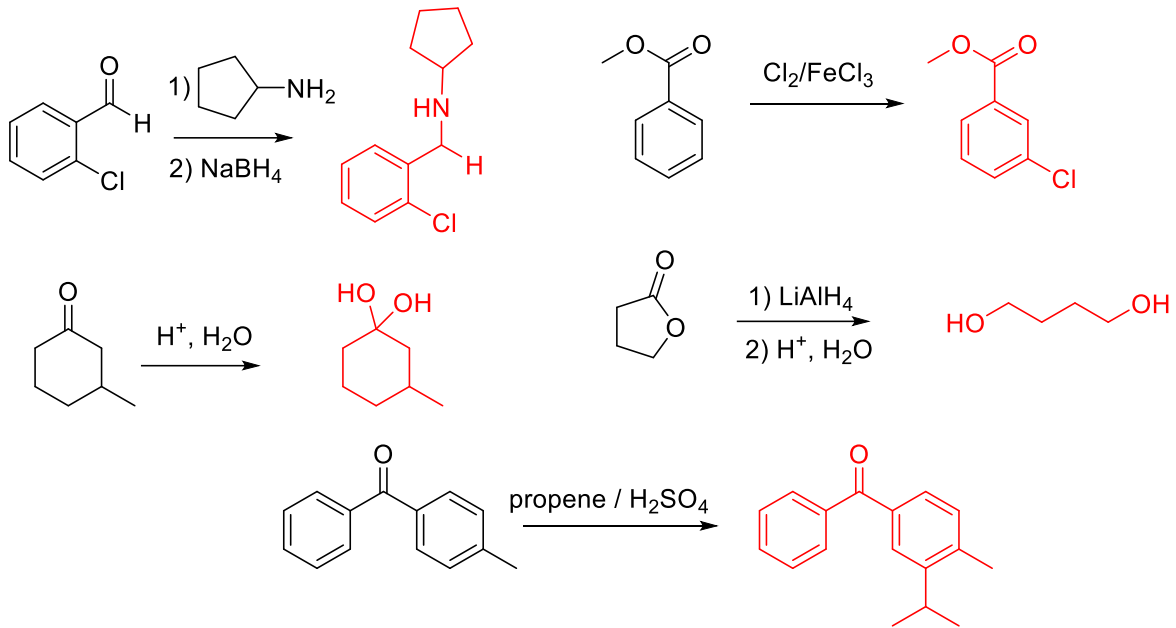
6) Completare le seguenti reazioni



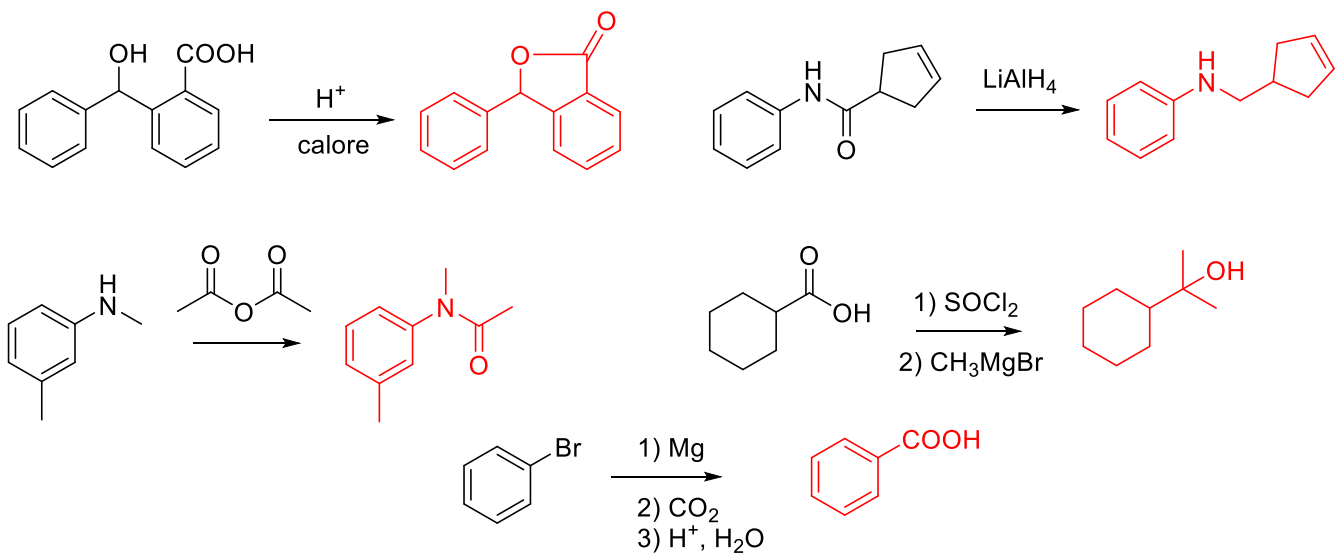
7) Proporre una via sintetica per preparare il seguente composto a partire dal benzene



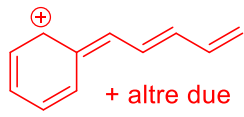
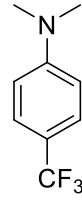
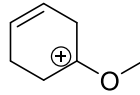
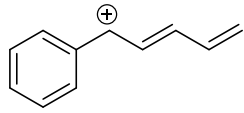
8) Scrivere i prodotti principali delle seguenti reazioni:



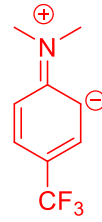
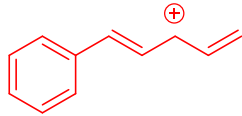
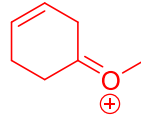
9) Scrivere i prodotti principali delle seguenti reazioni.



10) Scrivere le forme di risonanza dei seguenti composti



+ altre due



+ altre due

