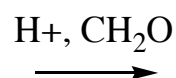
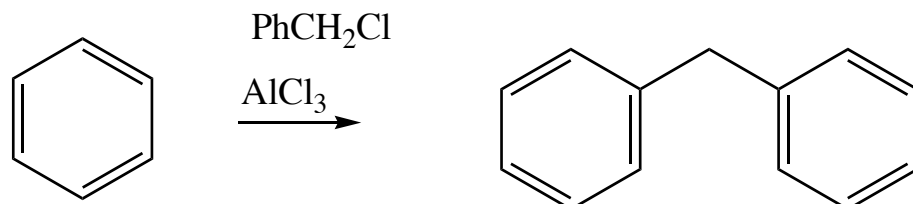
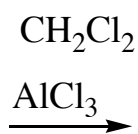
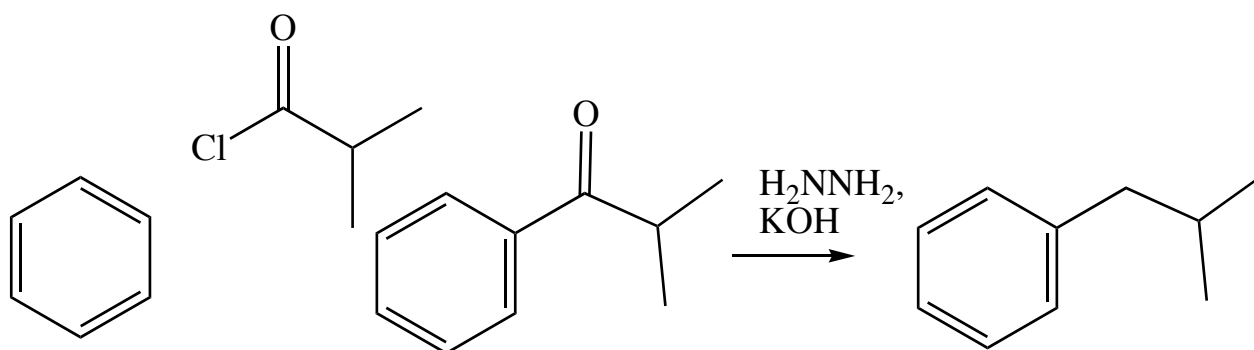
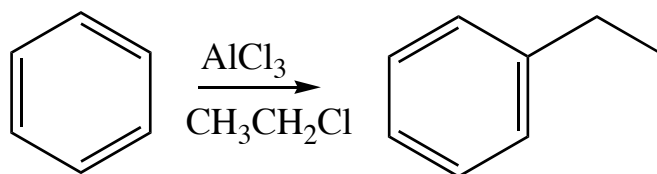
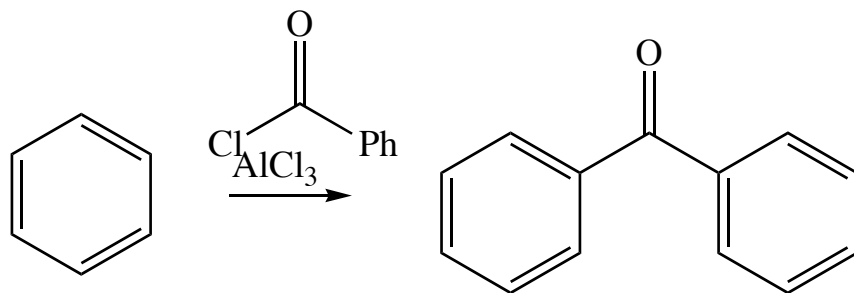


### Exercise 114 - Friedal-Crafts Reactions

#### Question

How would you prepare the following using a Friedal-Crafts acylation or alkylation.



### Question

Offer a mechanism for the following reactions.

