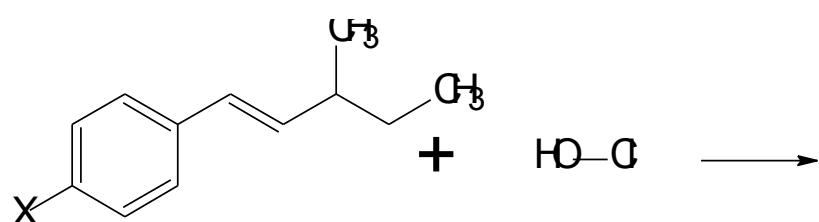
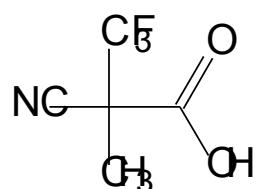
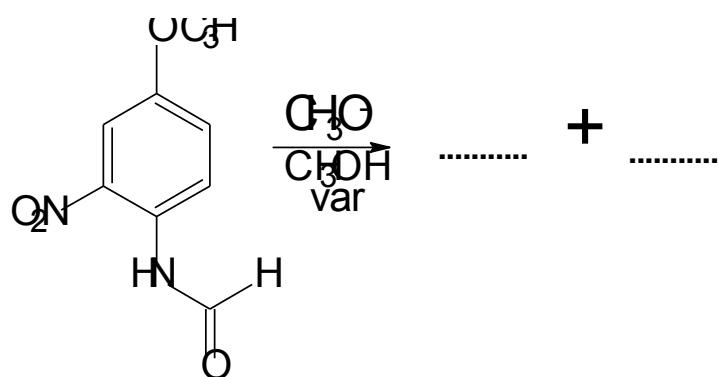
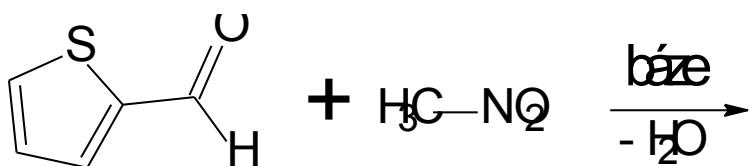
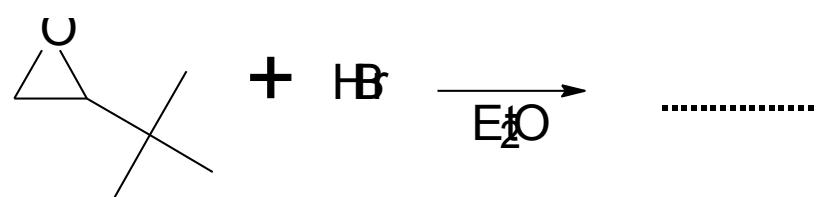
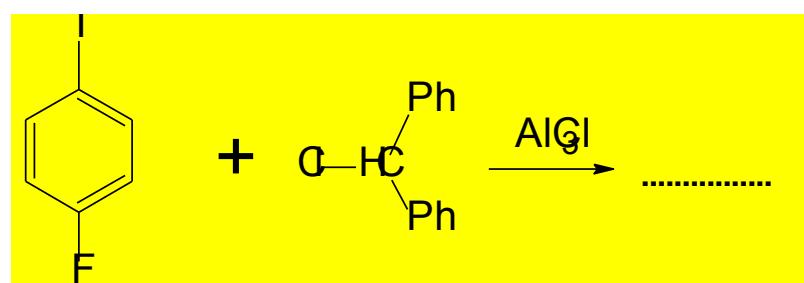
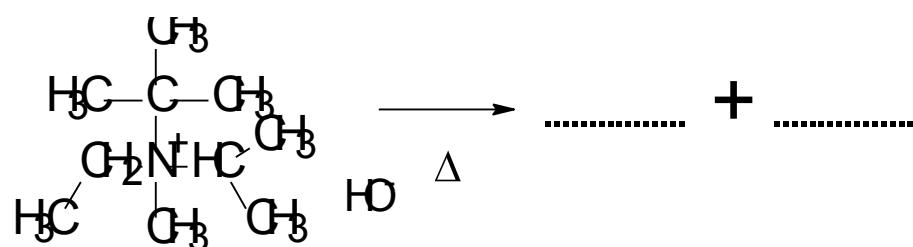
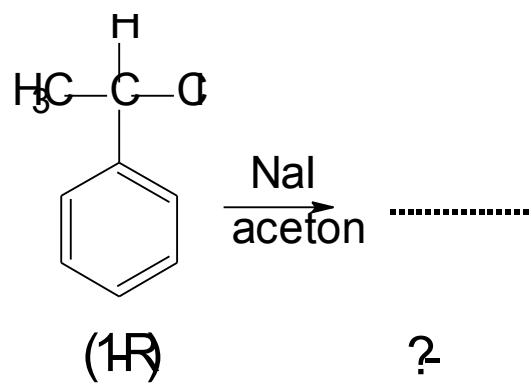


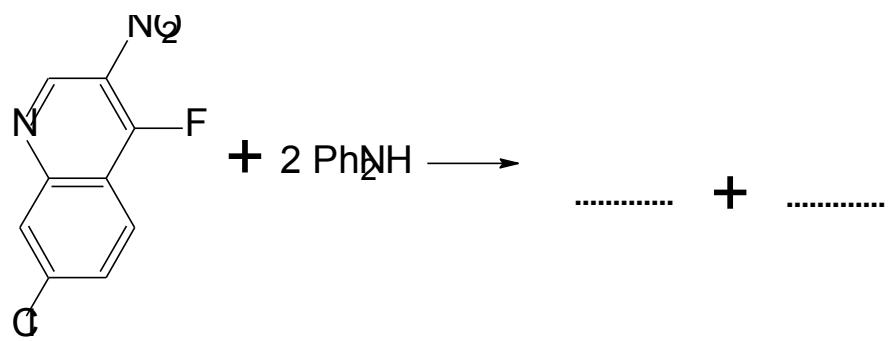
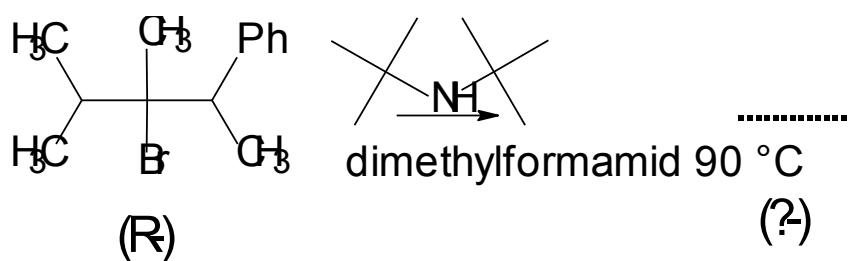
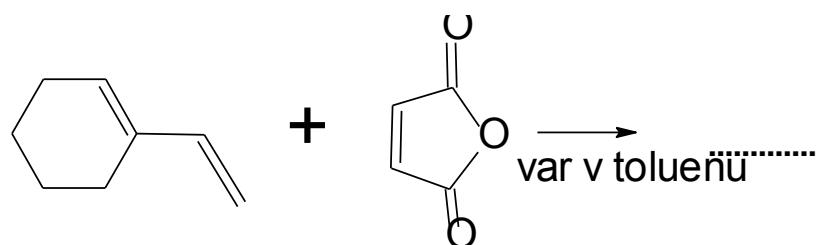
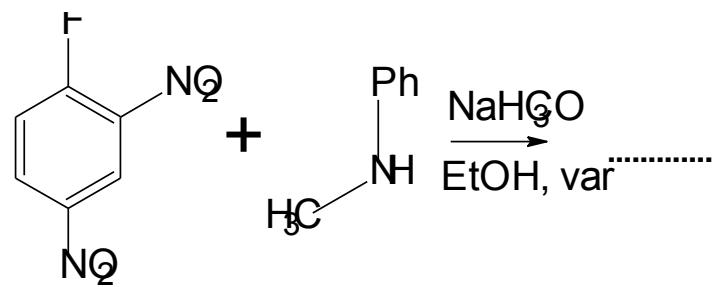
Určete absolutní konfiguraci nadirálního atomu

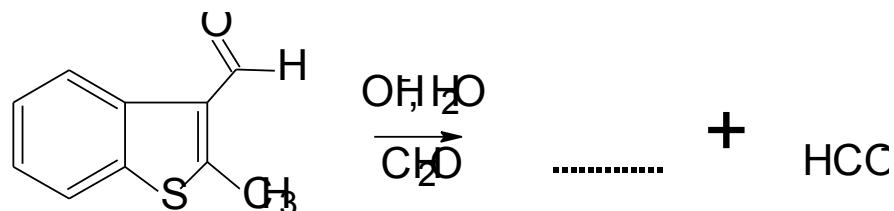
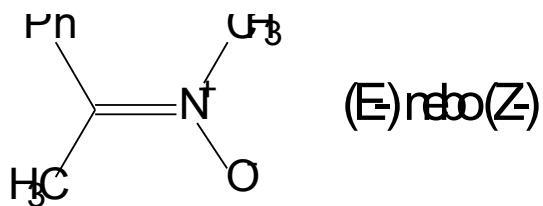


- A) Jaký produkt vznikne?
 B) Pro které X bude reakce probíhat rychleji?

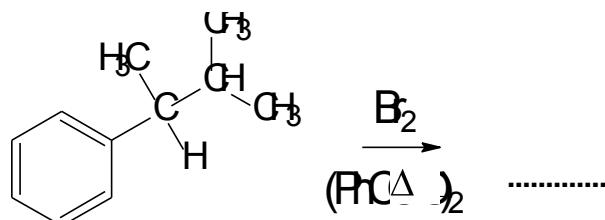
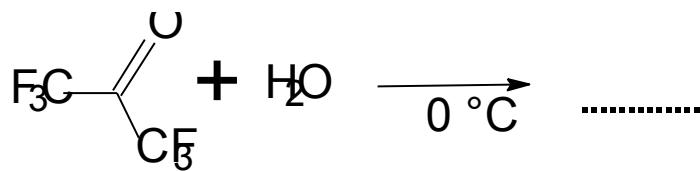




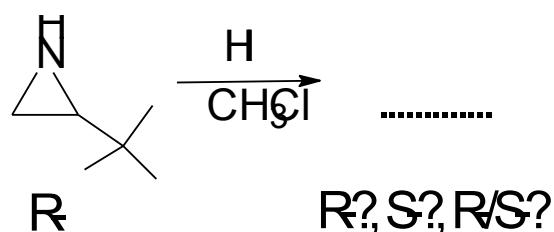
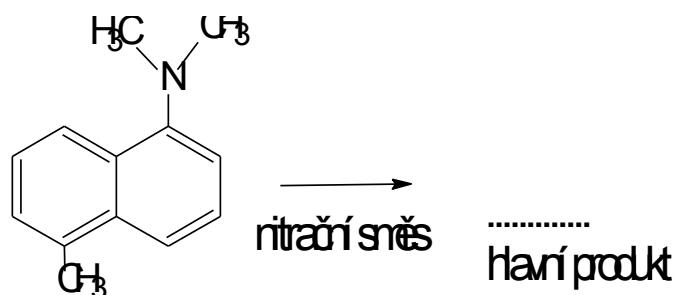
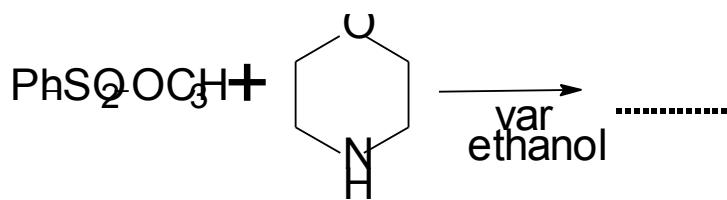




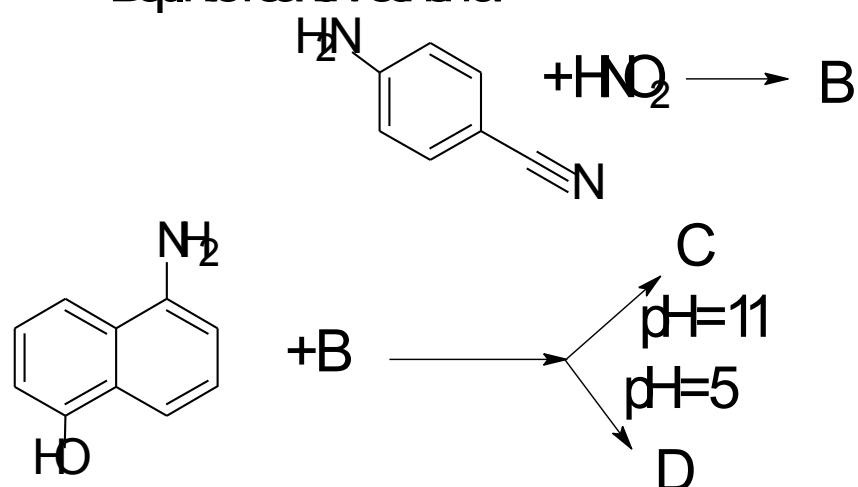
Sříďadlo podle rostoucího bazity (vzádlo):

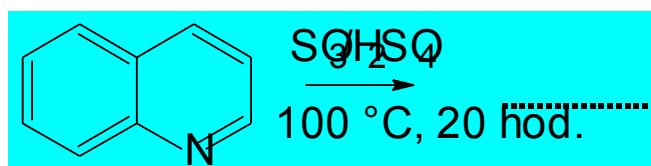
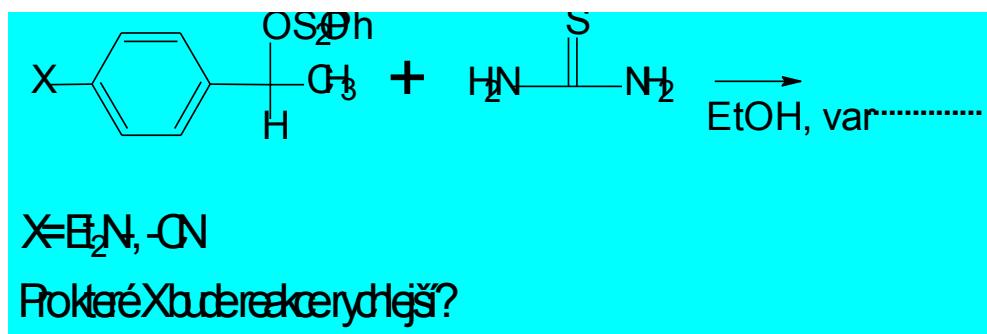
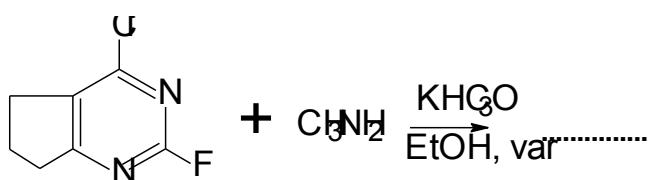
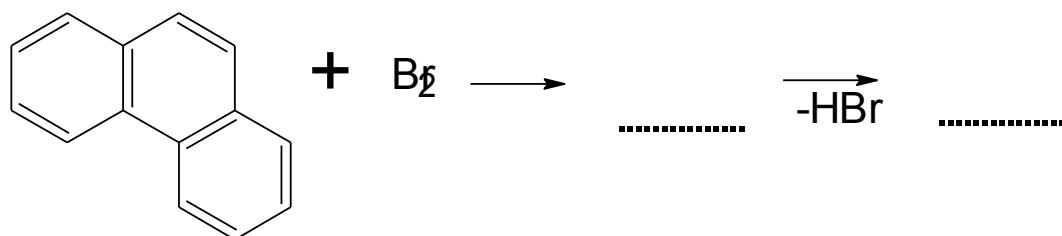


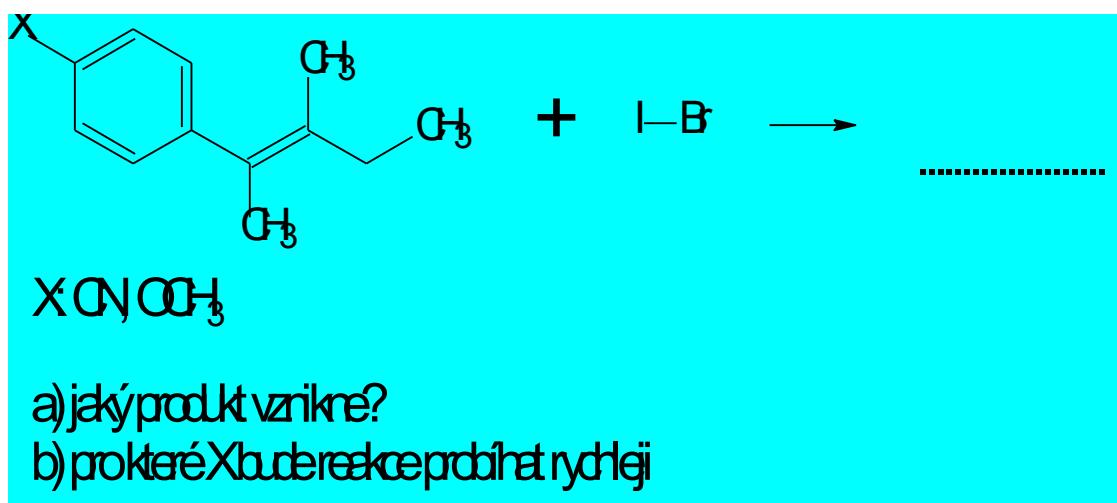
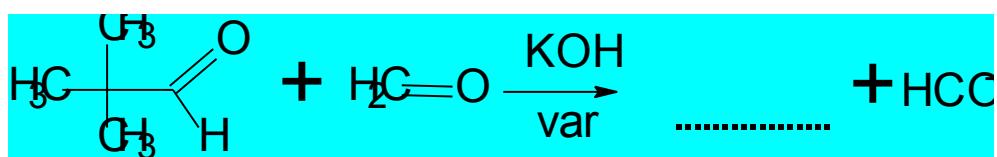
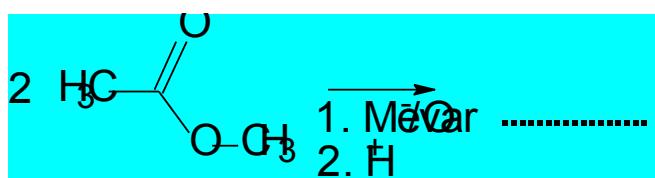
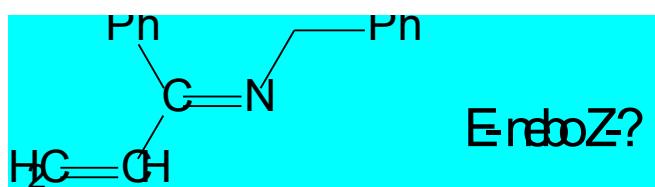
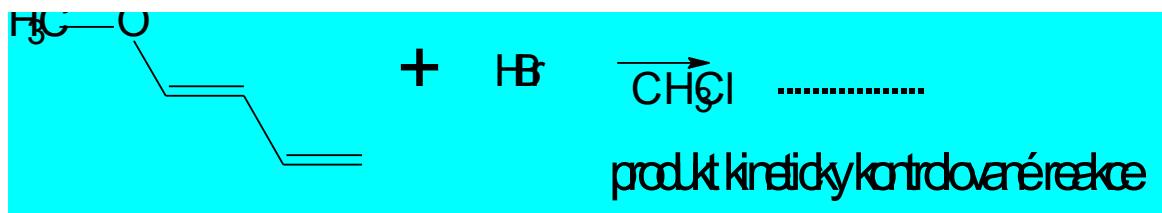
Změní se průběh reakce, pokud místo Br_2 použijeme Cl_2 ?

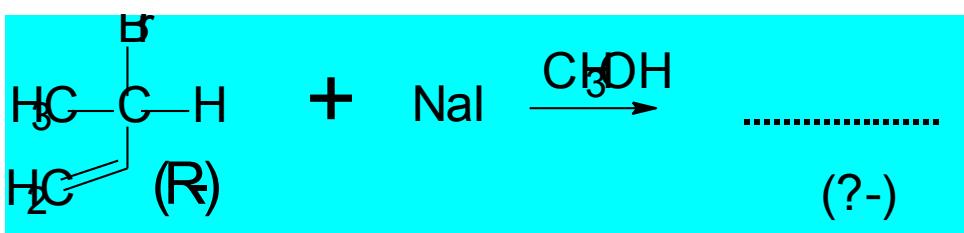
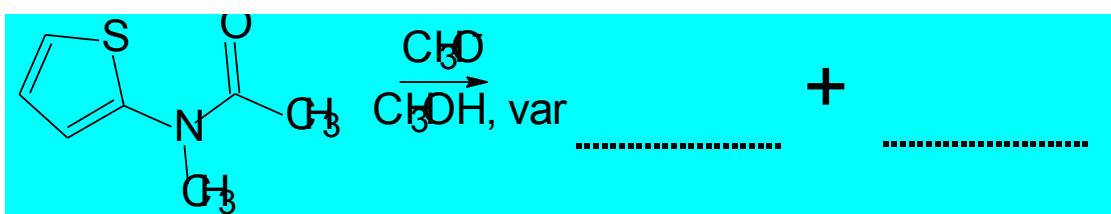
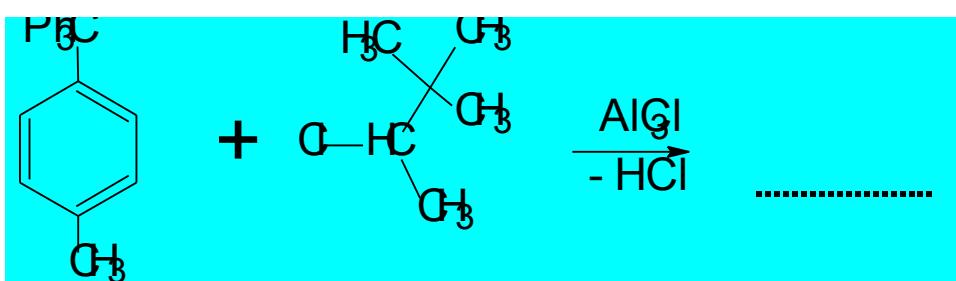
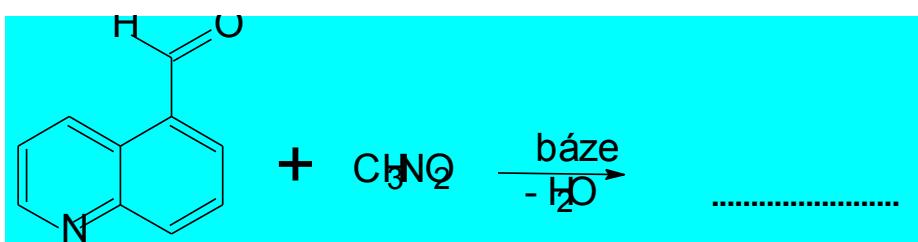
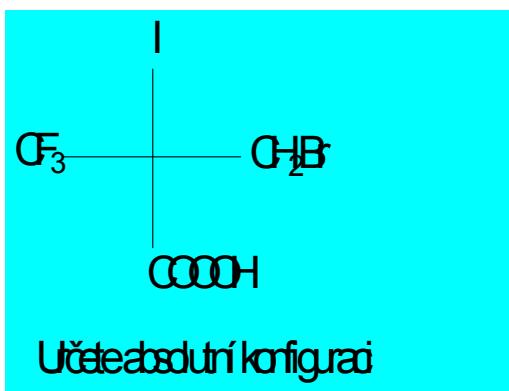


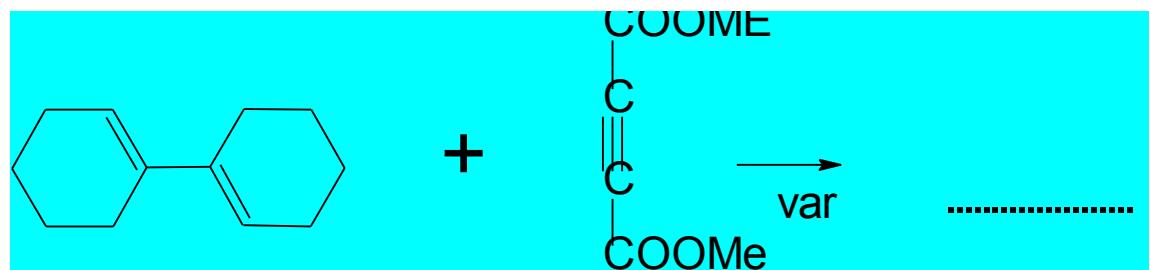
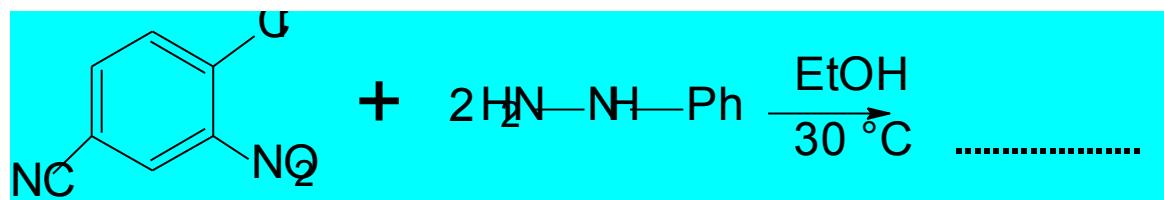
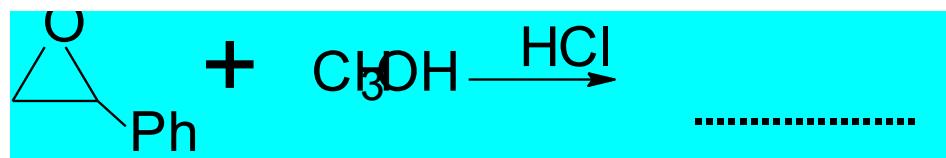
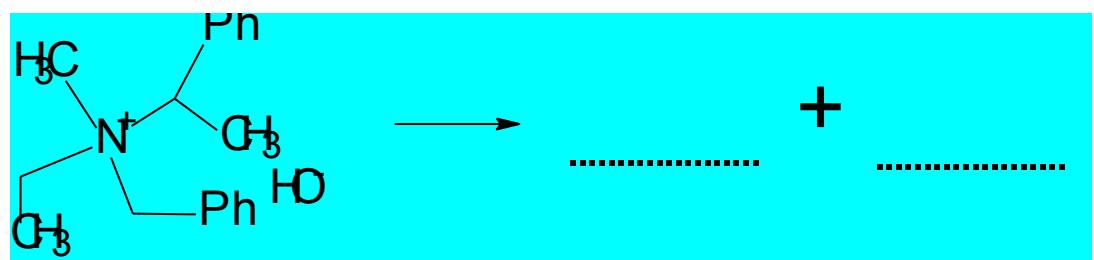
Doplňte reakční schéma

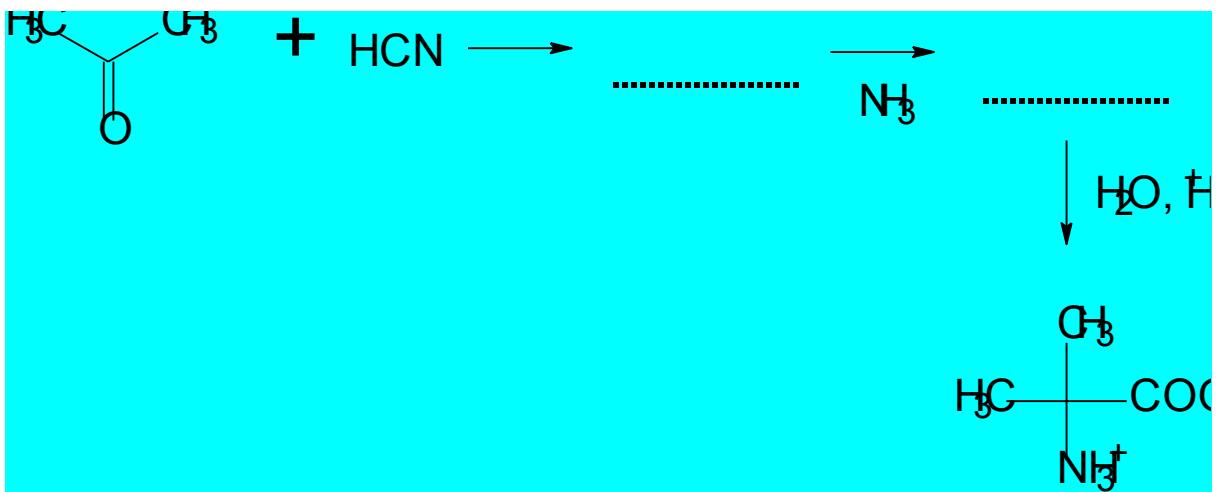
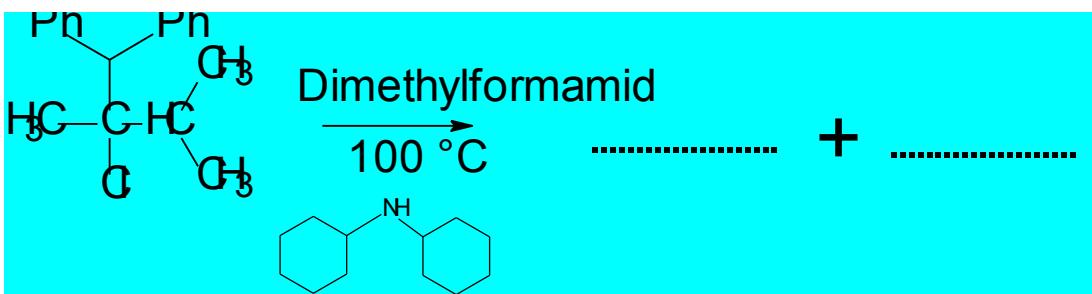
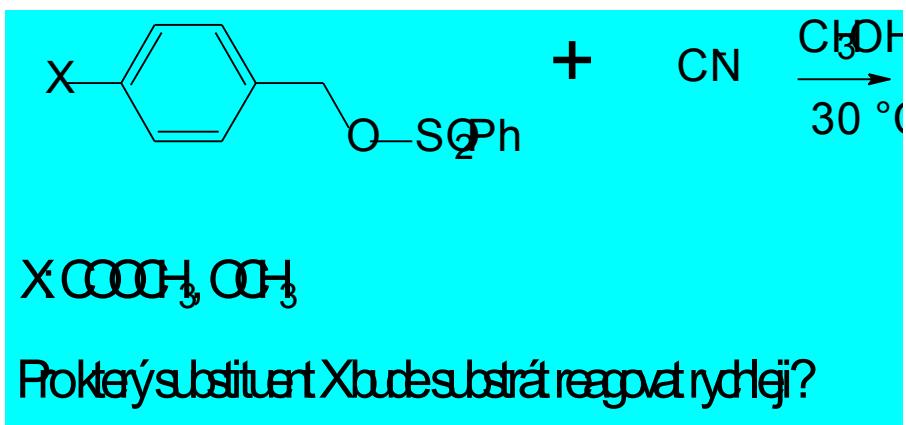


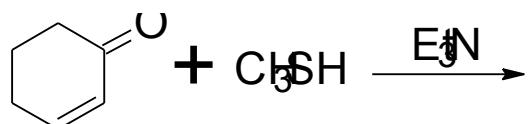
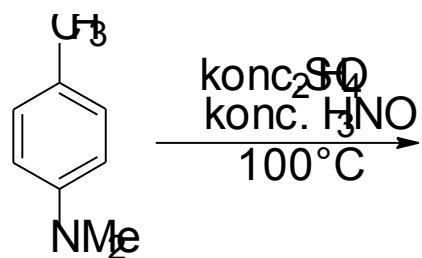




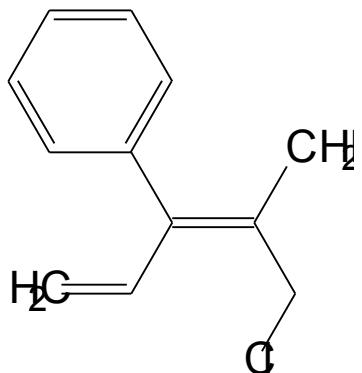




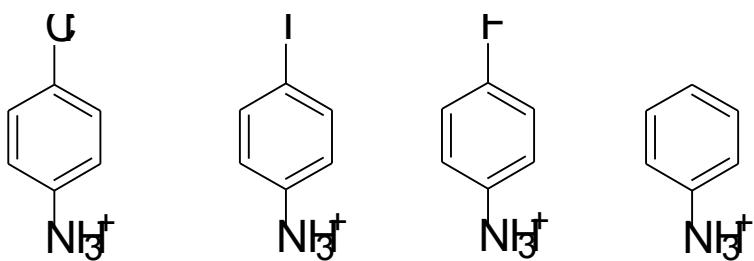


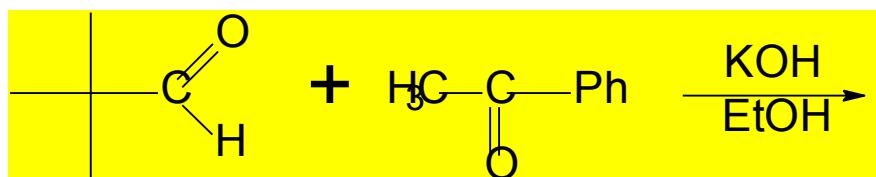
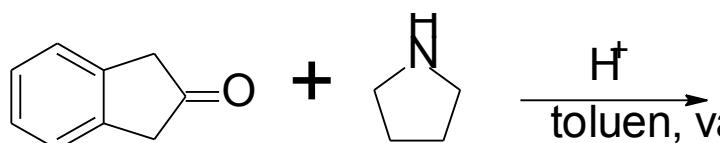
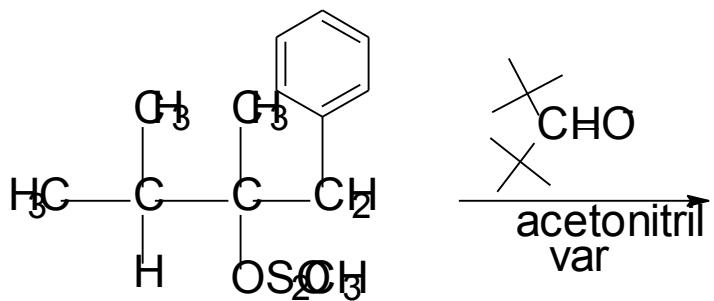


E- nebo Z- ?

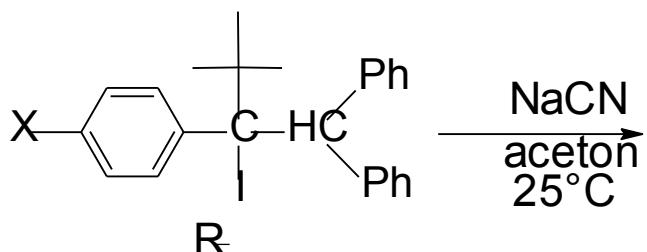


Seřaďte podle rostoucí kyselosti:





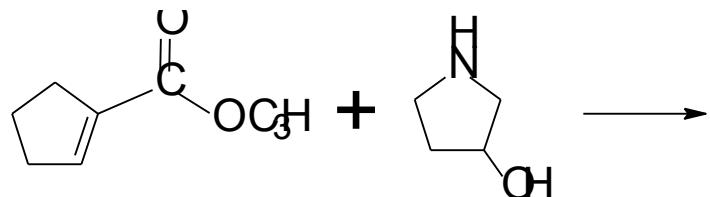
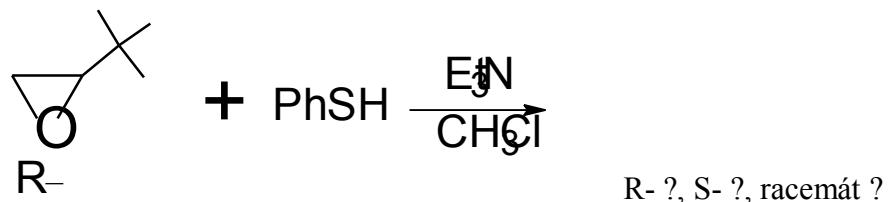
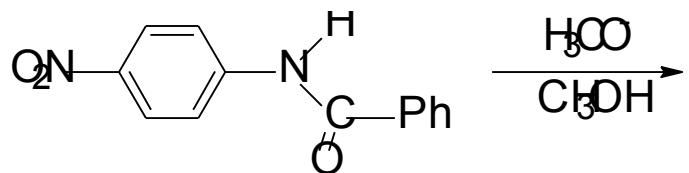
Co vznikne? Pro které X bude reakce probíhat rychleji?



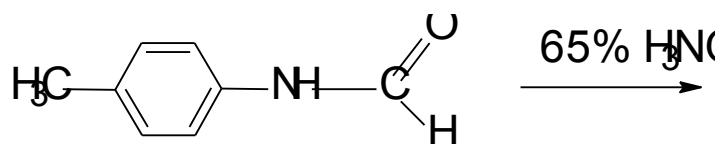
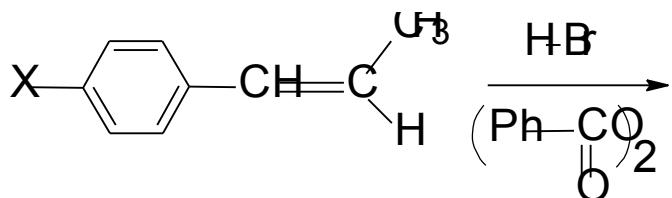
X: -NMeCOOMe

R- ?, S- ?, R-/S- ?



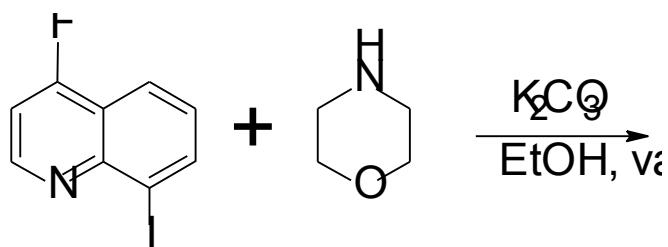
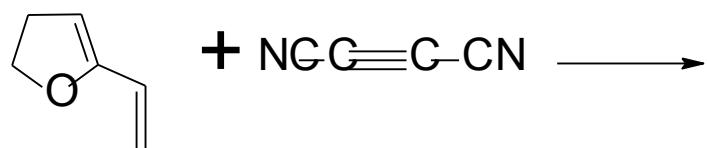
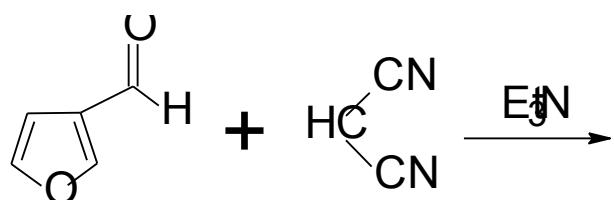
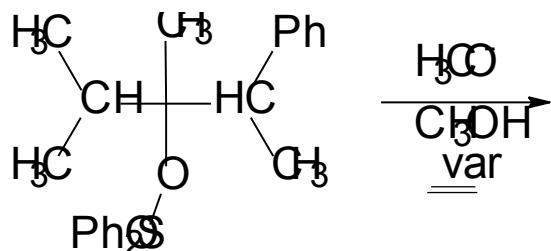


Pro které X bude reakce probíhat rychleji?



Nakreslete vzorec D-glyceraldehydu ve Fischerově projekci a určete absolutní konfiguraci na chirálním uhlíku.

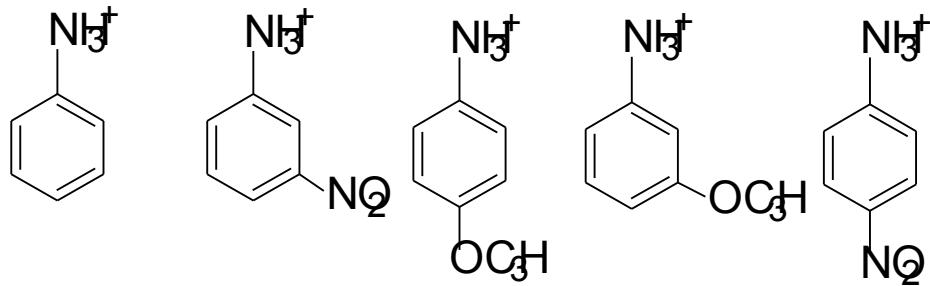
Nakreslete hlavní produkt:

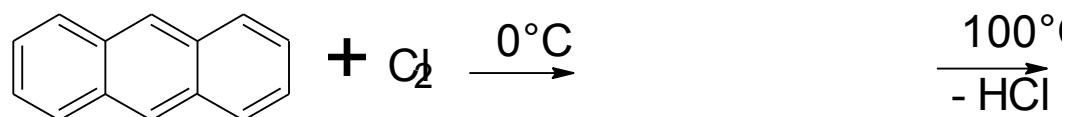
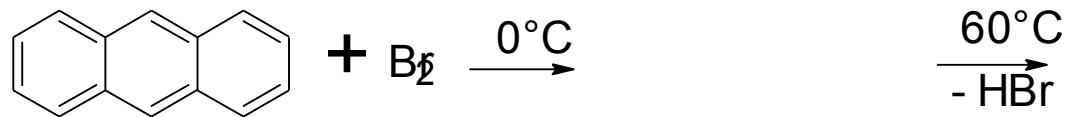
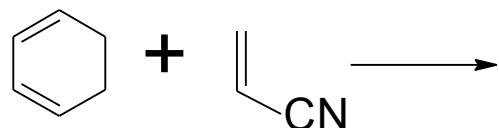
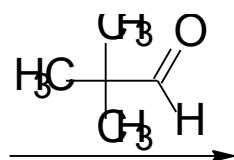
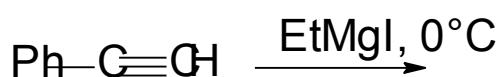
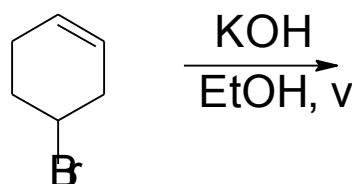
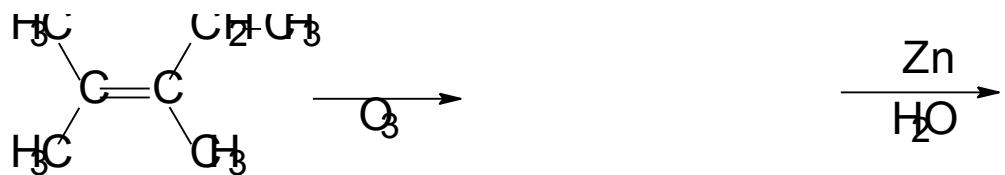


Seřaďte podle rostoucí kyselosti:

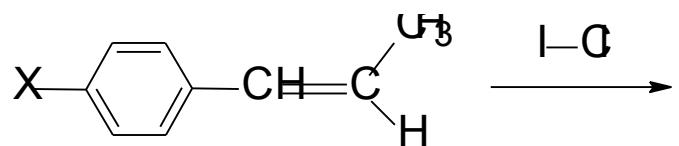


Seřaďte podle rostoucí kyselosti:

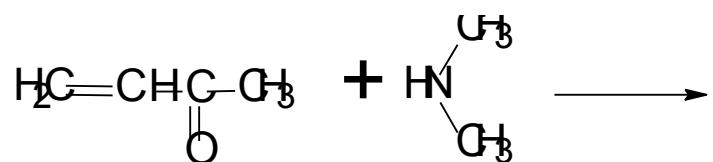
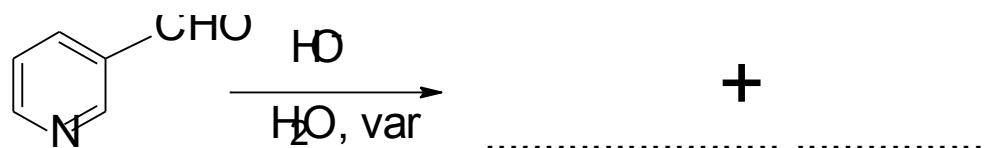
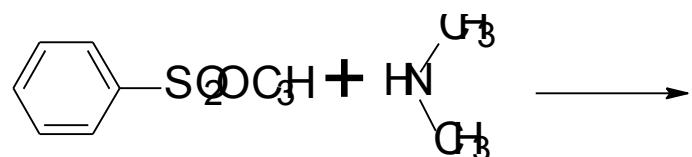
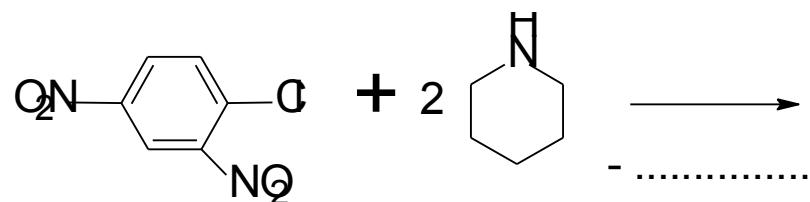
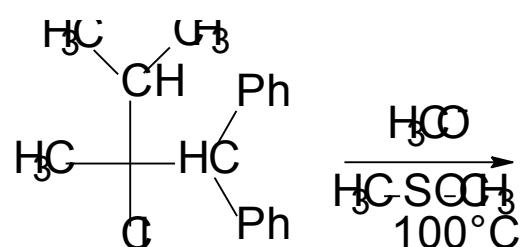




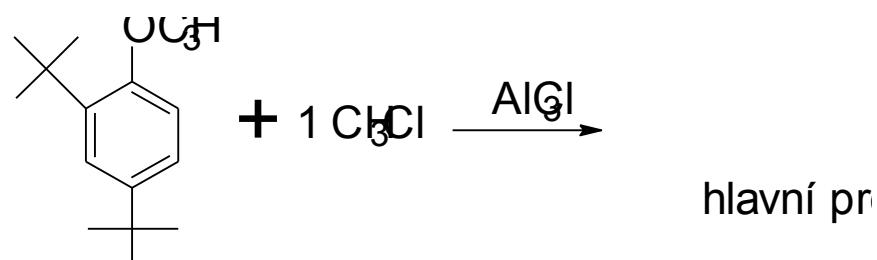
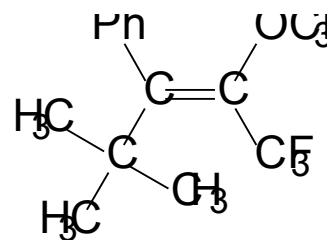
Co vznikne a pro které X bude reakce probíhat rychleji?



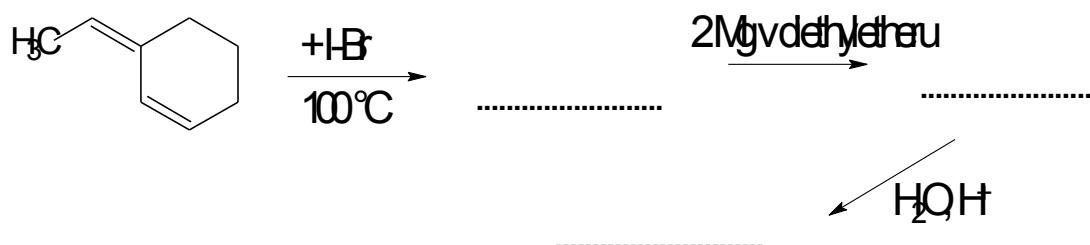
X: -CO, CN



E- nebo Z- ?

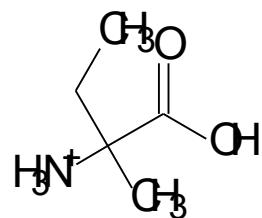


Dopříte reakční schéma

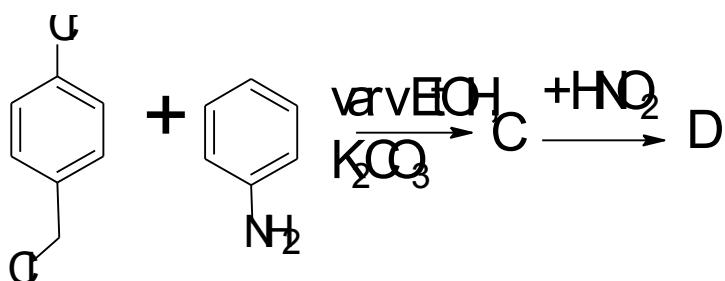
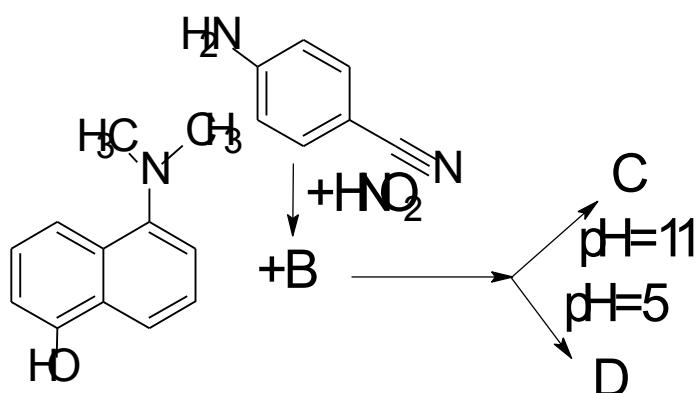


Nakreslete reakční schéma pro následující chemickou syntézu:

- but-2-on reaguje s kyanovodíkem na produkt A
- tenašložek reaguje s anonomem na produkt B
- produkt B je poddán kyselé hydrolyze za vzniku produktu C, jehož vzorec je uveden níže



Doplňte reakční schéma



Pojmenujte oba hlavní produkty vznikající monosulfonací 1-nitronaftalenu při teplotě 200 °C po době delší, než je 12 h (podmínky pro termodynamicky kontrolovaný průběh reakce!). Napište schéma reakce včetně vznikajících meziproduktů.

(R)-1-Brom-1-fenylethan reaguje s jodidem draselným v acetonu. Napište mechanismus reakce a organický produkt správně pojmenujte.

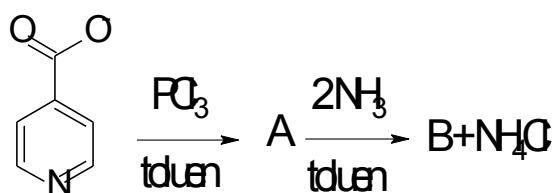
Nakreslete strukturní vzorec kterékoliv reálně existující aminokarboxylové kyseliny.

Pojmenujte oba hlavní produkty vznikající monosulfonací 1-N,N-dimethylaminonaftalenu při teplotě 200 °C po době delší, než je 12 h (podmínky pro

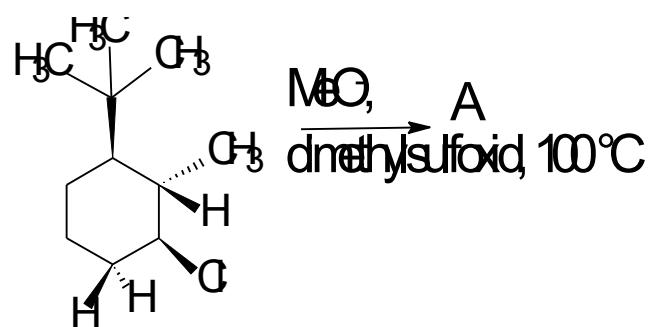
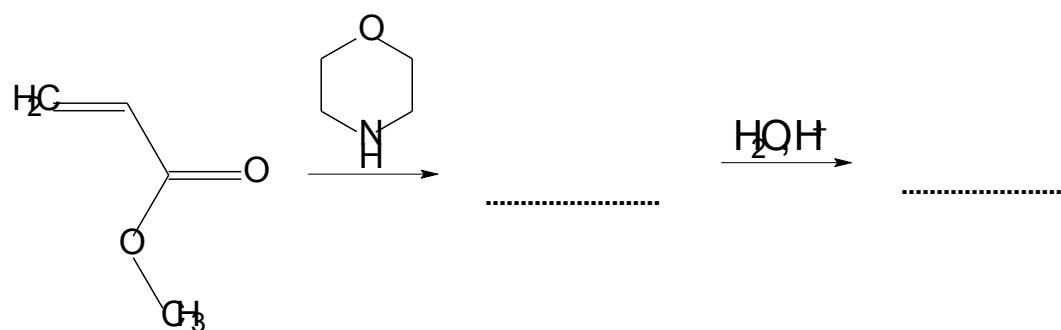
termodynamicky kontrolovaný průběh reakce!). Napište schéma reakce včetně vznikajících meziproduktů.

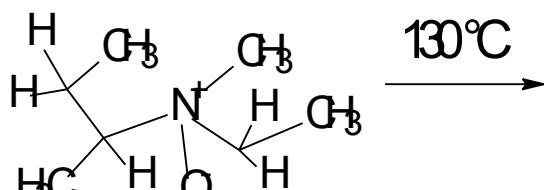
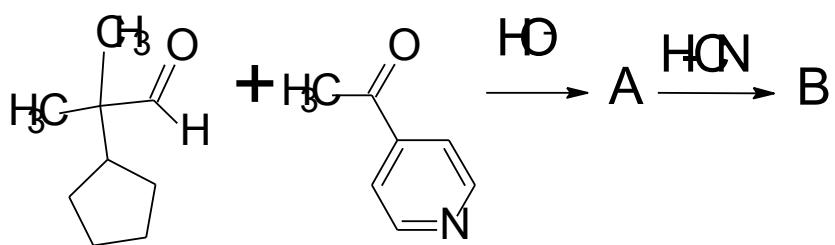
Seřaďte následující aminy od nejméně k nejvíce bazickému ve vodném prostředí: methylamin, tributylamin, 4-(trifluormethyl)-2-nitroanilin, di(dodec-1-yl)amin.

Doplňte reakční schéma

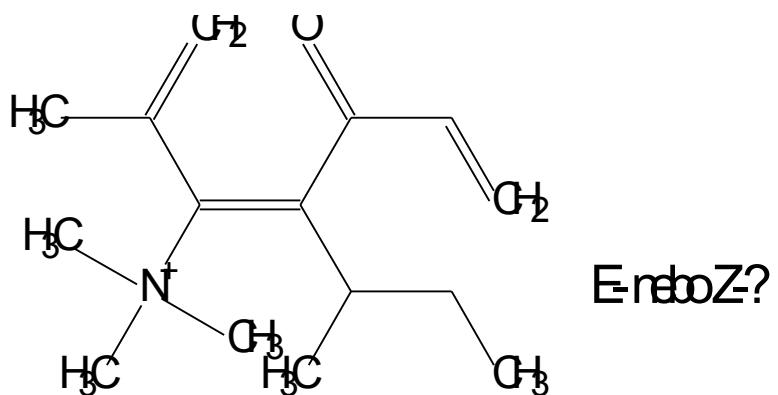
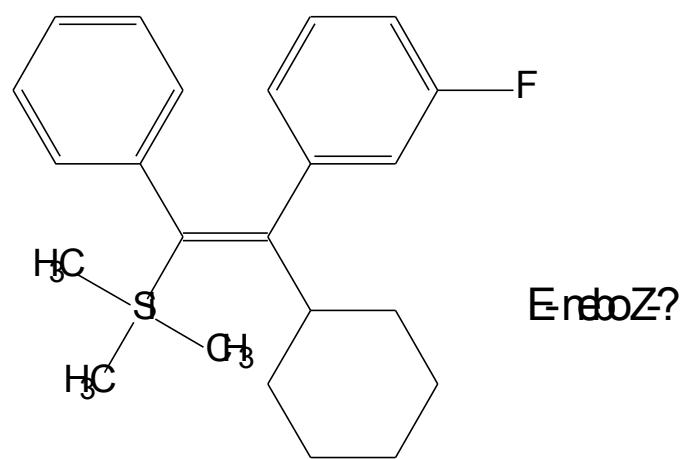


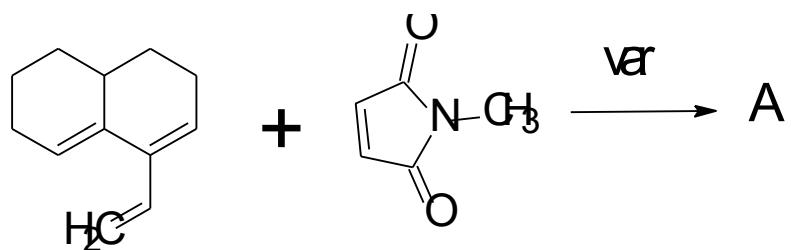
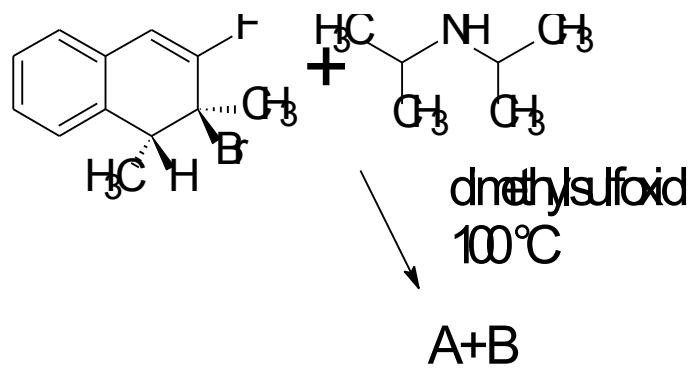
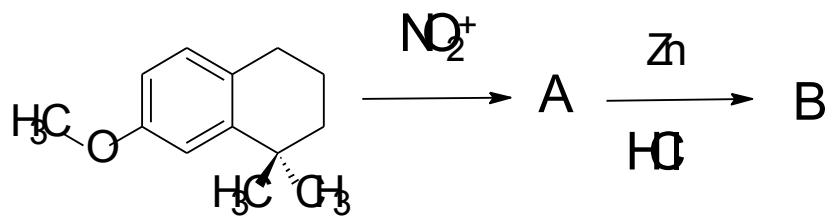
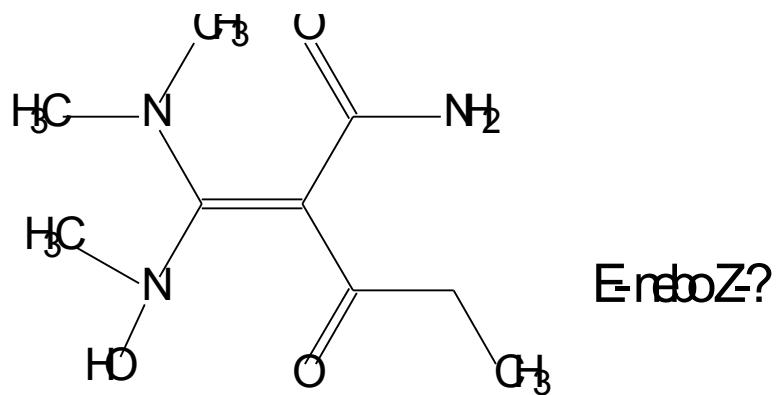
Doplňte schéma



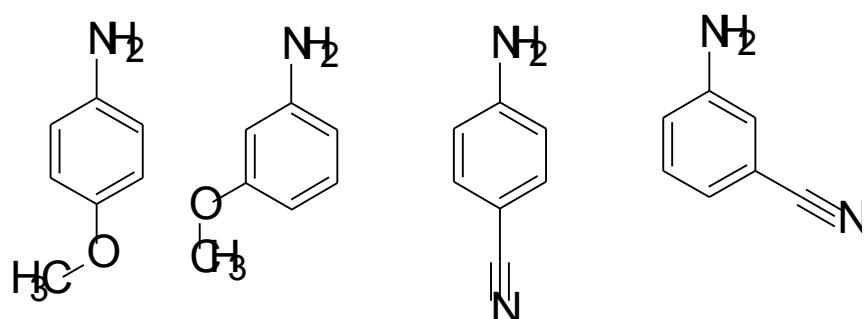


Které alkeny a substituované
hydroxylaminy vzniknou, jaký
je jejich poně?





~~S~~ řadí ~~p~~odle ~~r~~ostoucí ~~b~~azity



~~S~~ řadí ~~p~~odle ~~r~~ostoucí ~~b~~azity

