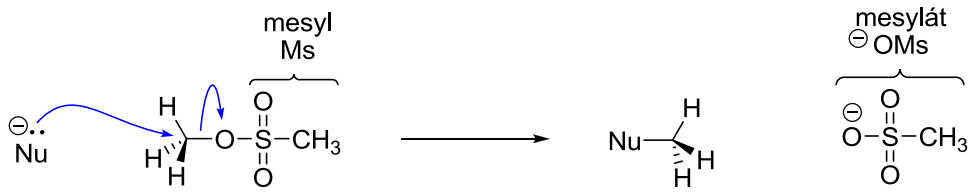
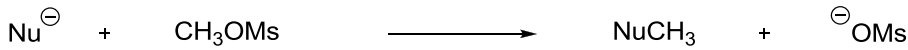


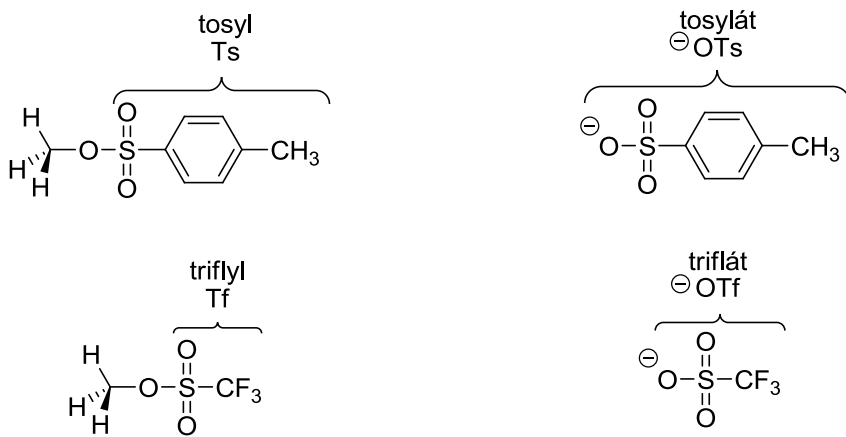
Sulfonáty jako odstupující skupiny



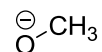
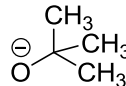
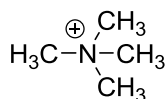
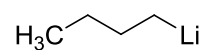
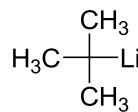
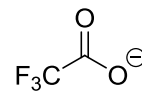
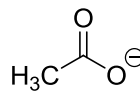
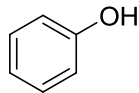
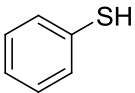
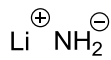
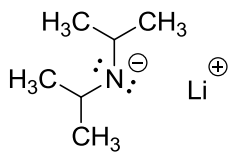
Zejména si povšimněte, jaký je rozdíl mezi tím, co je **mesyl** a co je **mesylát**. Uvedená reakce by mohla být zapsána takto:



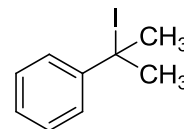
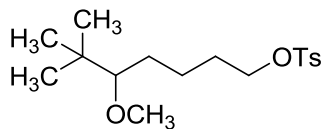
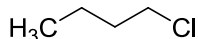
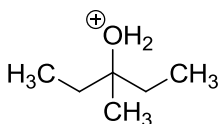
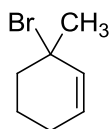
Analogicky se používají zbylé dvě zkratky:



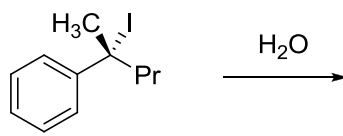
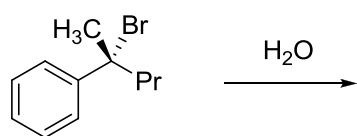
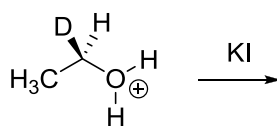
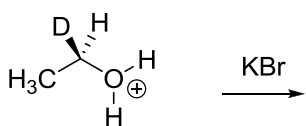
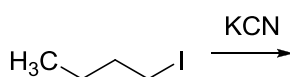
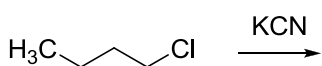
V uvedených dvojicích označte lepší nukleofil:



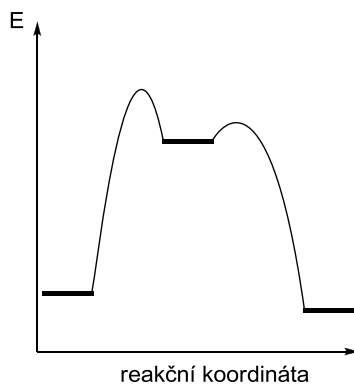
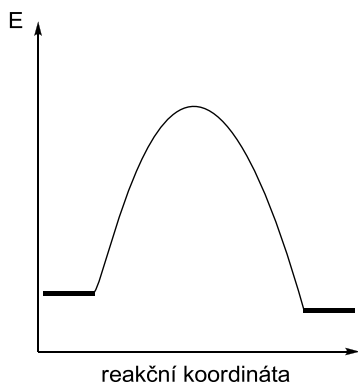
Který z uvedených substrátů je lepší spíše pro S_N1 a který spíše pro S_N2? Označte také odstupující skupiny:



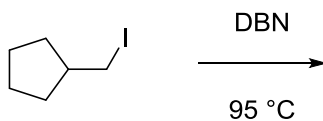
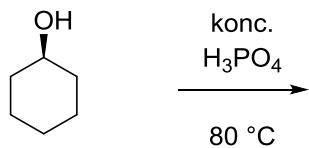
Doplňte produkty, včetně stereochemie (kde to má smysl). Rozhodněte, zda se jedná o S_N1 nebo S_N2 reakci. Vyberte, která z každé dvojice reakcí bude probíhat rychleji.



Který graf popisuje průběh reakce S_N1 a který S_N2 (popřípadě E1 a E2)?



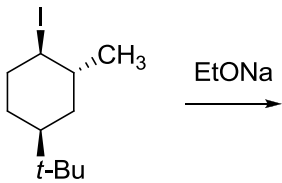
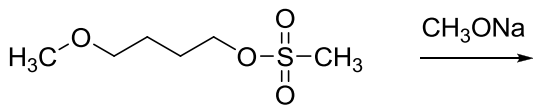
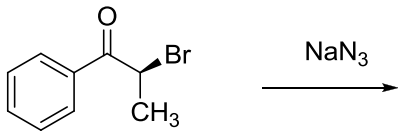
Doplňte produkty. Rozhodněte, zda se jedná o E1 nebo E2 reakci.



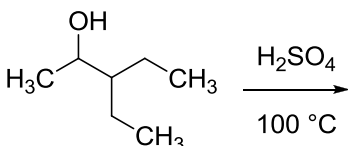
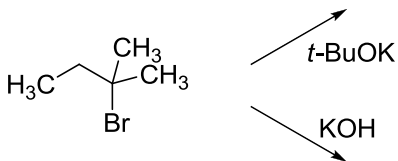
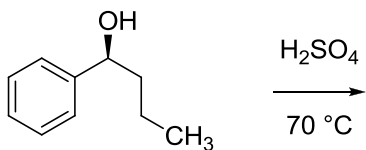
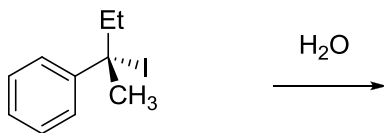
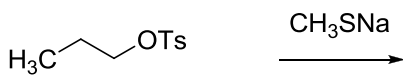
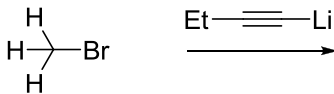
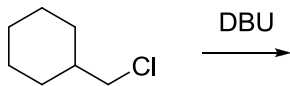
Vysvětlete následující pojmy:

stereospecifická reakce, stereoselektivní reakce, regioselektivní reakce

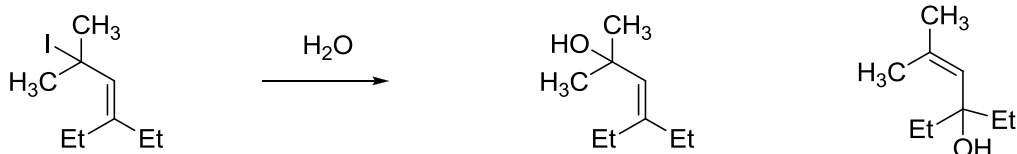
Napište očekávané hlavní produkty reakcí. Kde to má smysl, vyznačte i stereochemii (Může se jednat o S_N i E reakce):



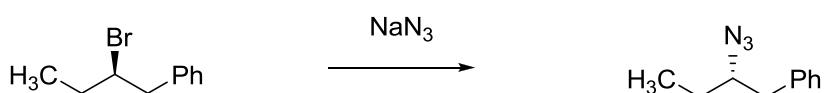
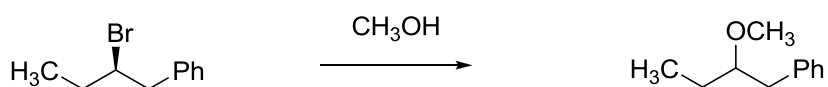
(u E2 reakcí musí být C-H a C-LG vazby v antiperiplanárním uspořádání)



Napište mechanismus, který vysvětlí tvorbu obou uvedených produktů. O jaký mechanismus se jedná?



Napište rychlostní rovnice uvedených reakcí. Určete také mechanismus:



Doplňte reagenty a určete mechanismus:

