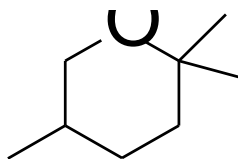


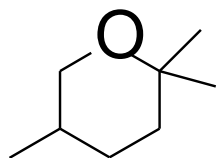
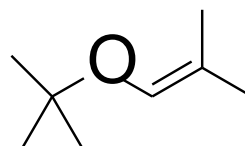
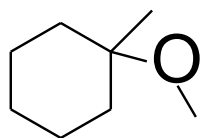
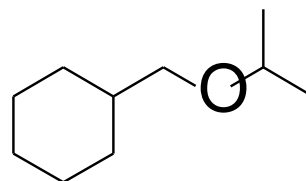
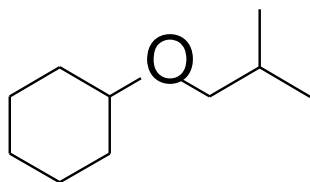
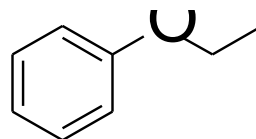
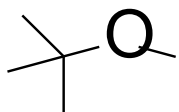


**ETHERY, EPOXIDY, THIOLY, SULFIDY**

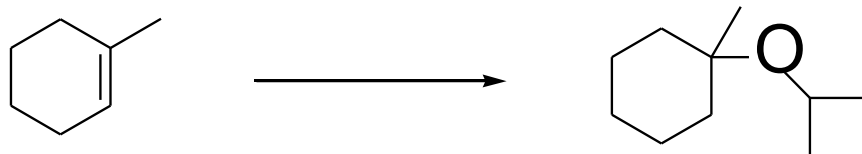
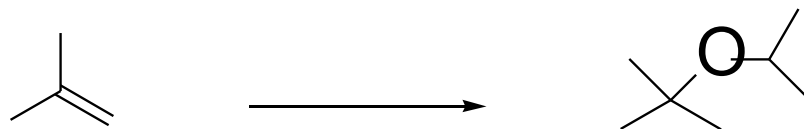
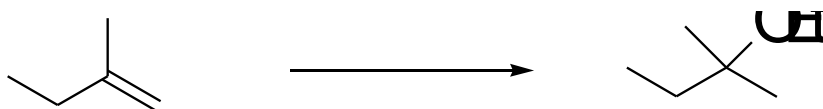
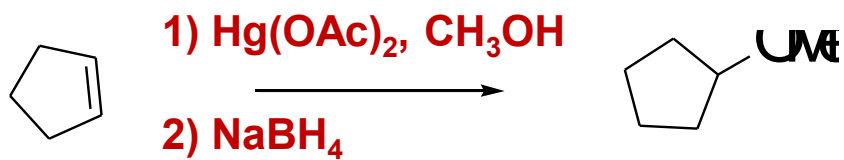
» Identifikujte reagenty, kterými byste Williamsonovou syntézou připravili následující ethery



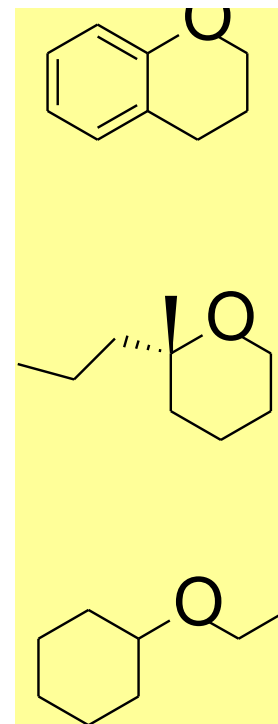
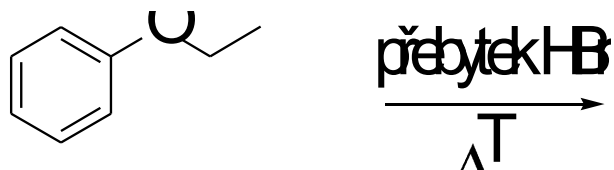
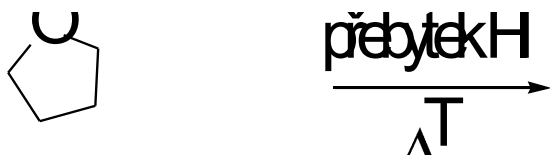
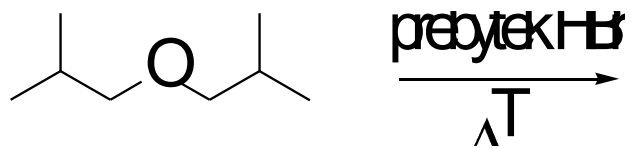
» Identifikujte reagenty, kterými byste Williamsonovou syntézou připravili následující ethery



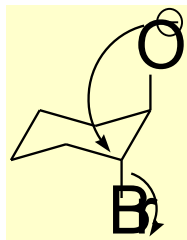
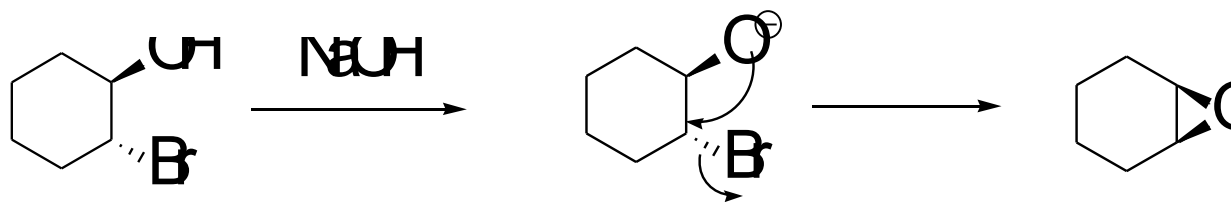
## » Ethers oxymerkurační – demerkurační reakcí



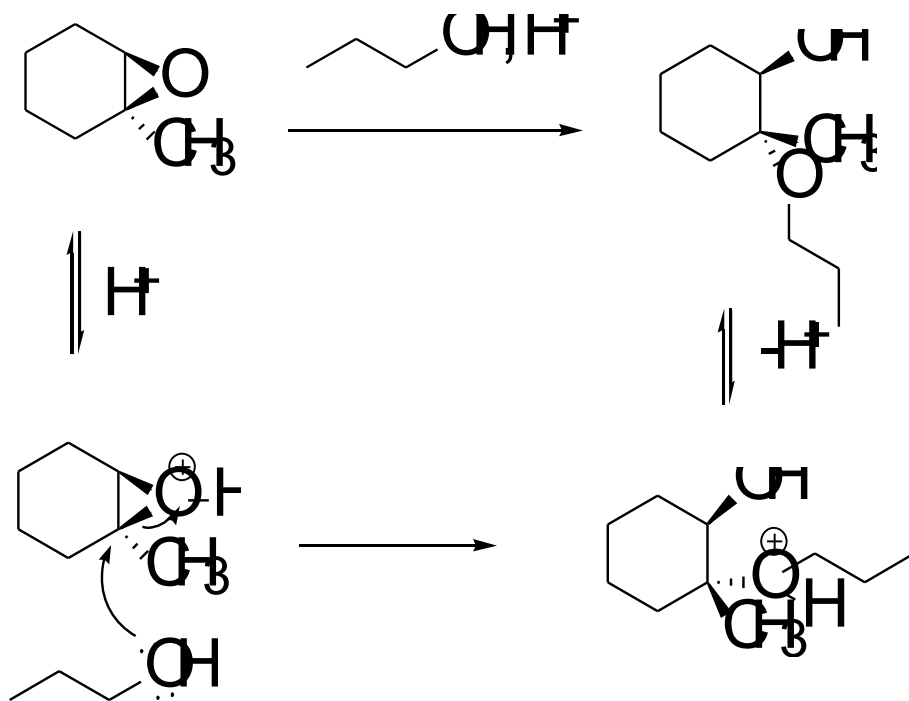
## » Štěpení etherů za kyselých podmínek

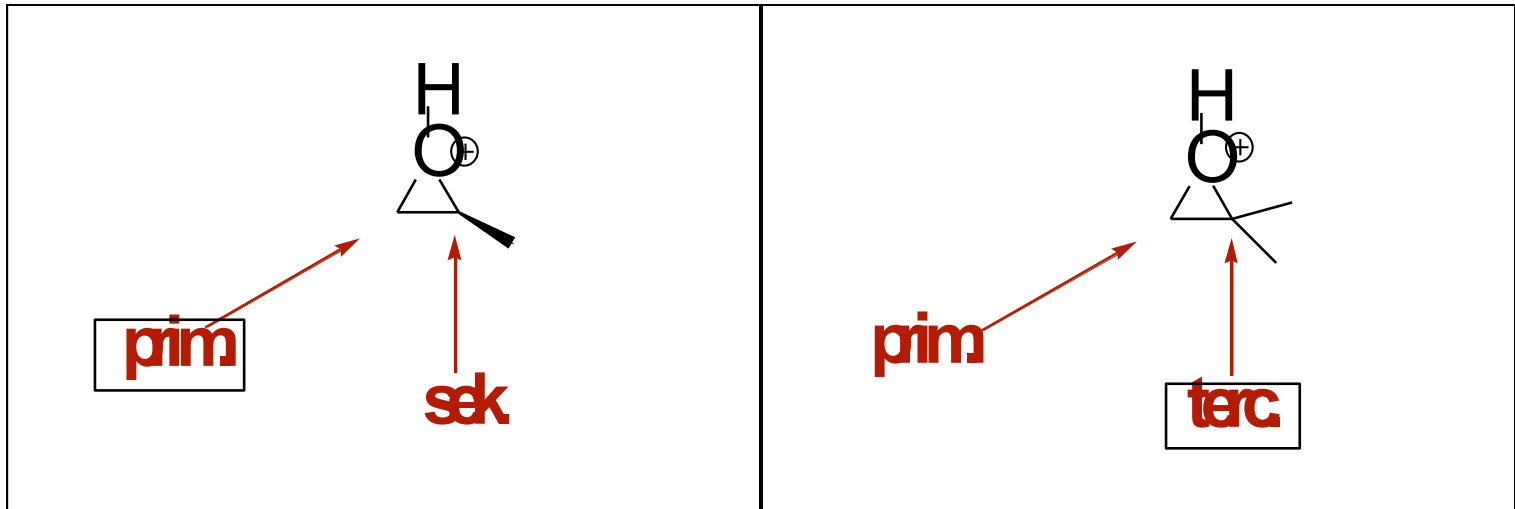


## » Vznik epoxidů



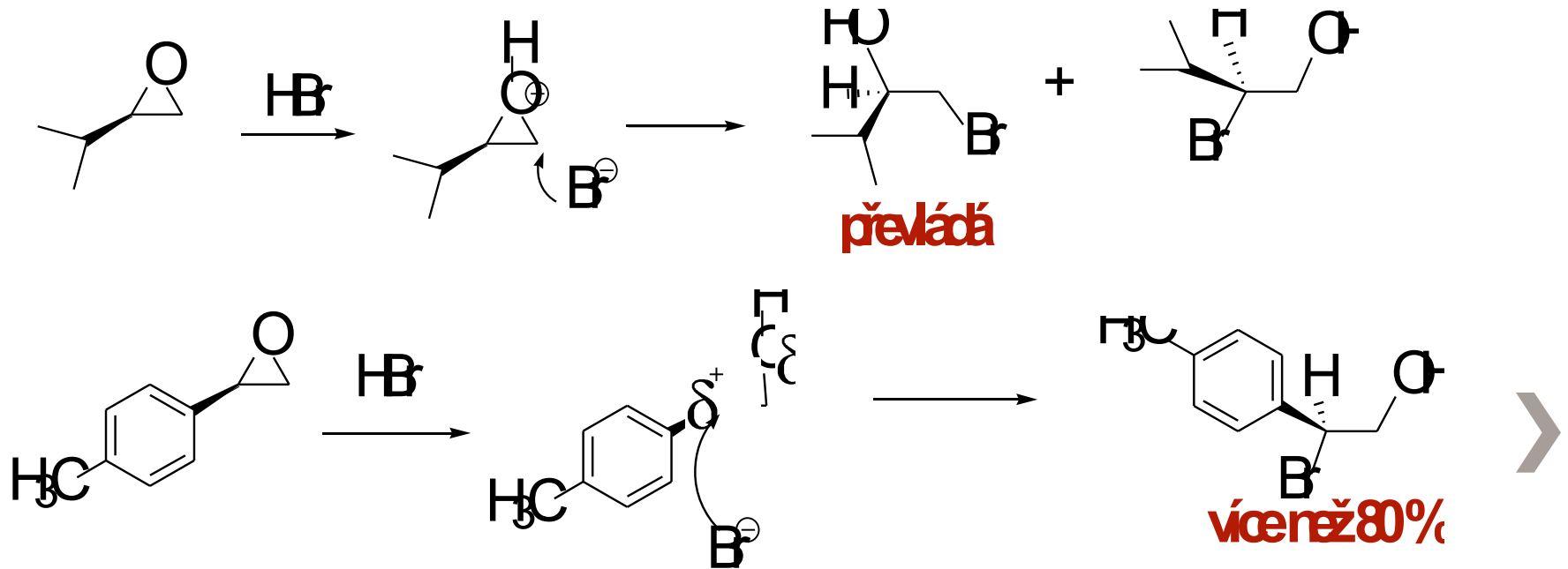
## » Otevírání epoxidů – kyselé podmínky





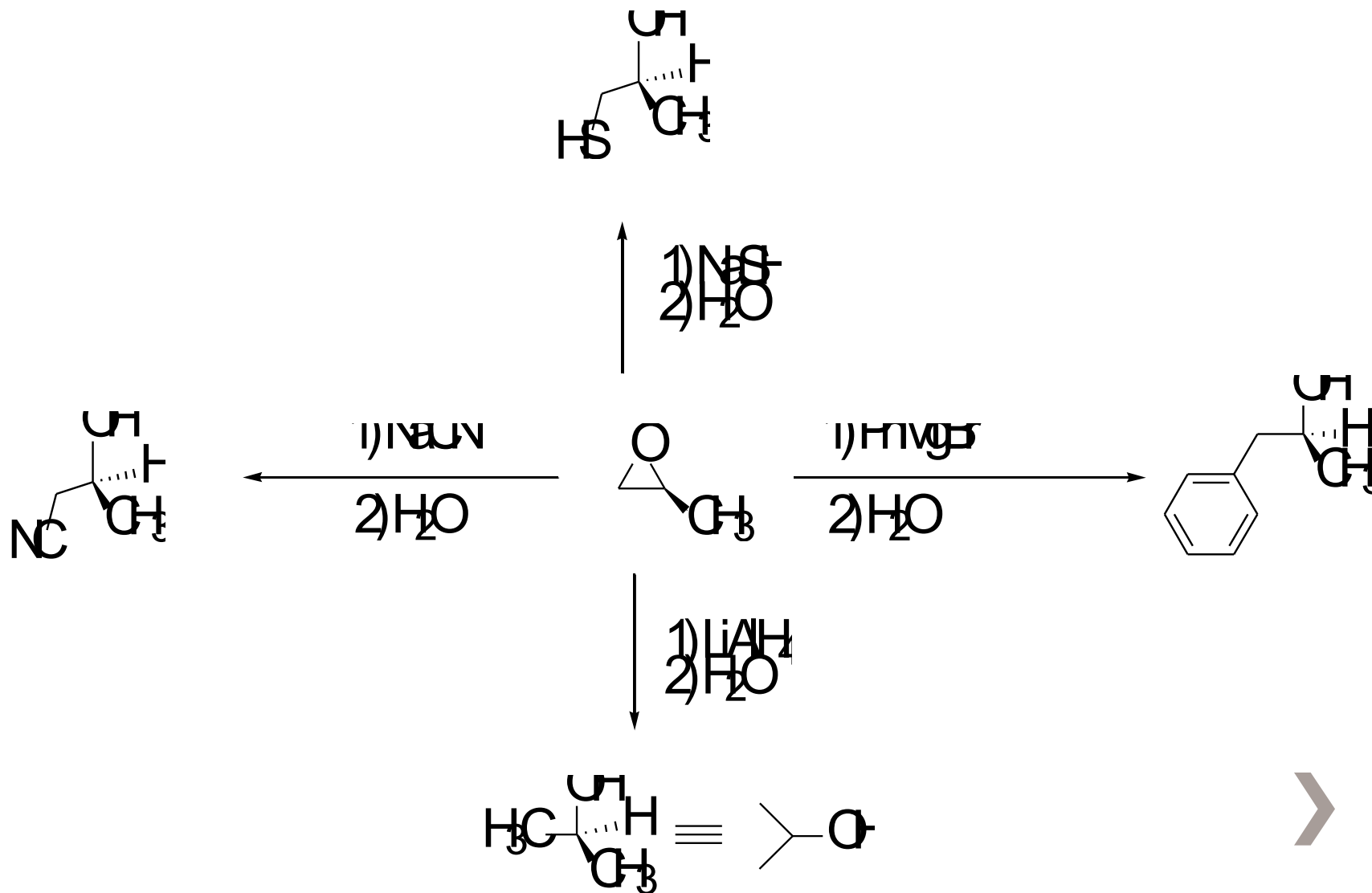
dominantní faktor = stérický efekt

dominantní faktor = elektronický efekt

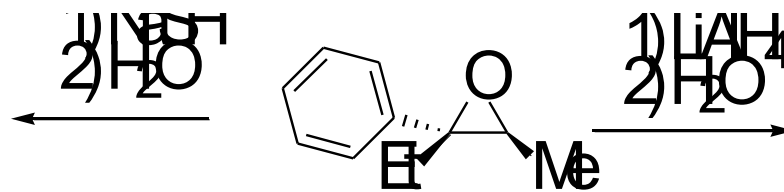




» Otevírání epoxidů – doplňte produkty reakcí

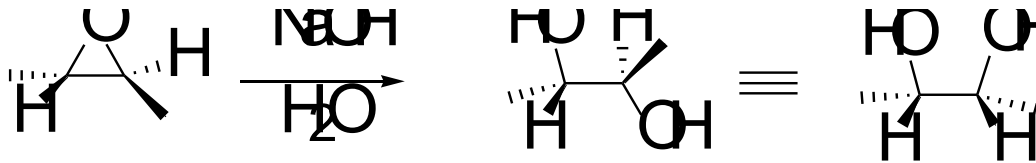


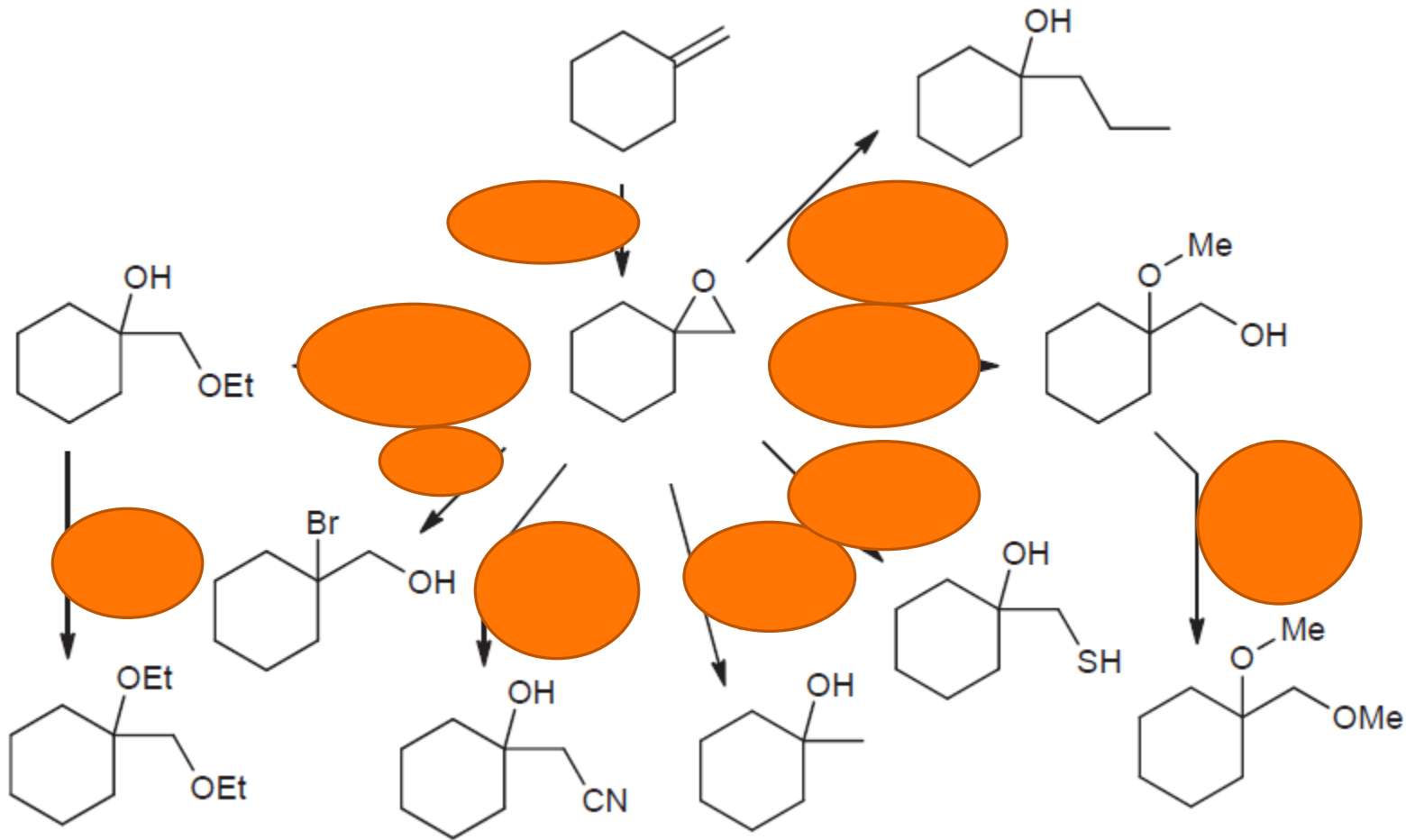
» Otevírání epoxidů – doplňte produkty reakcí



» **Otevírání epoxidů**

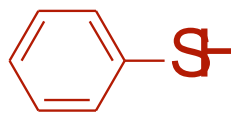
- » **V uvedené reakci vzniká pouze jeden produkt a je achirální,,  
vysvětlete**

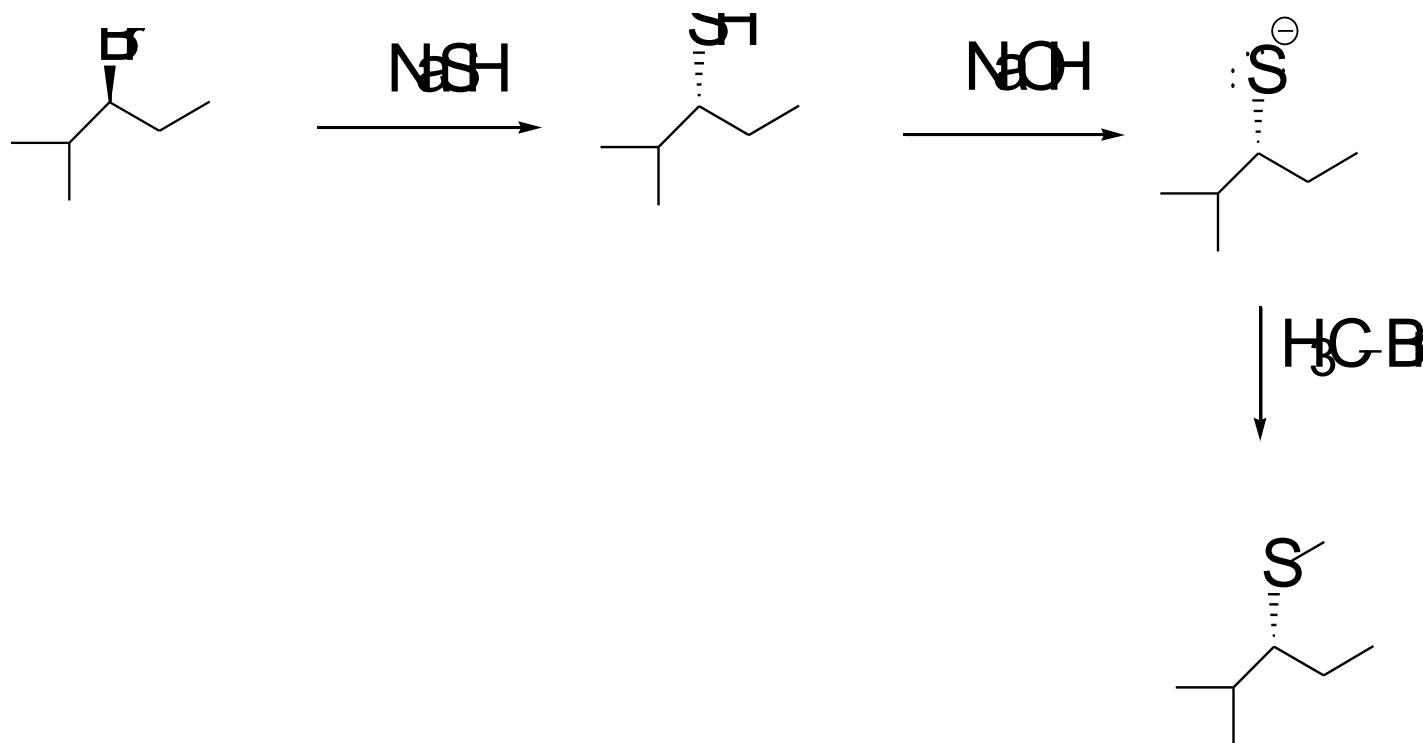




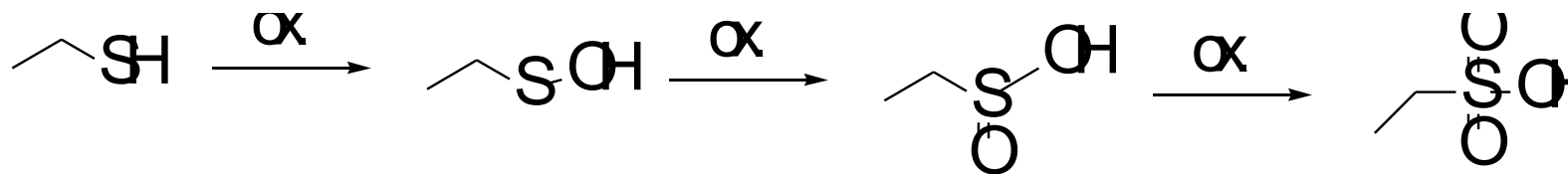
» THIOLY

pr

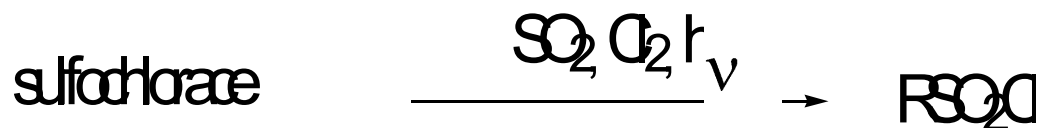
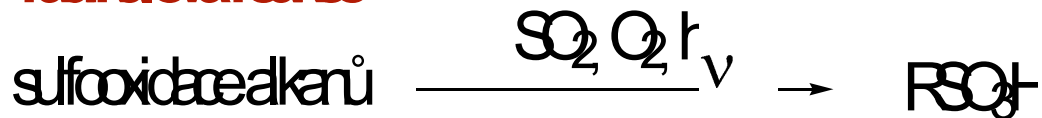
$\text{H}_3\text{C-SH}$	100
	65



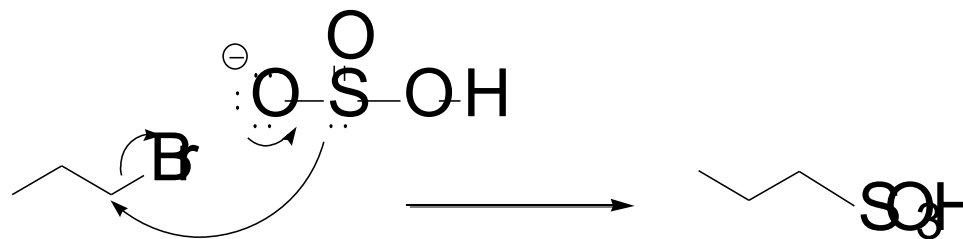
## » THIOLY – oxidace



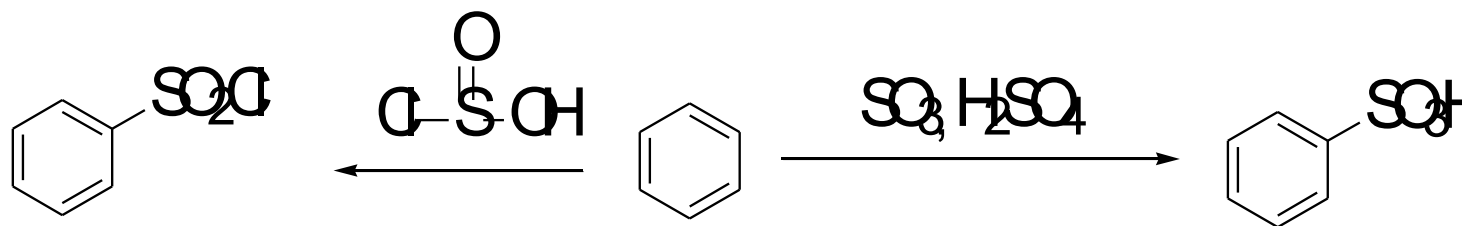
## radikálová reakce



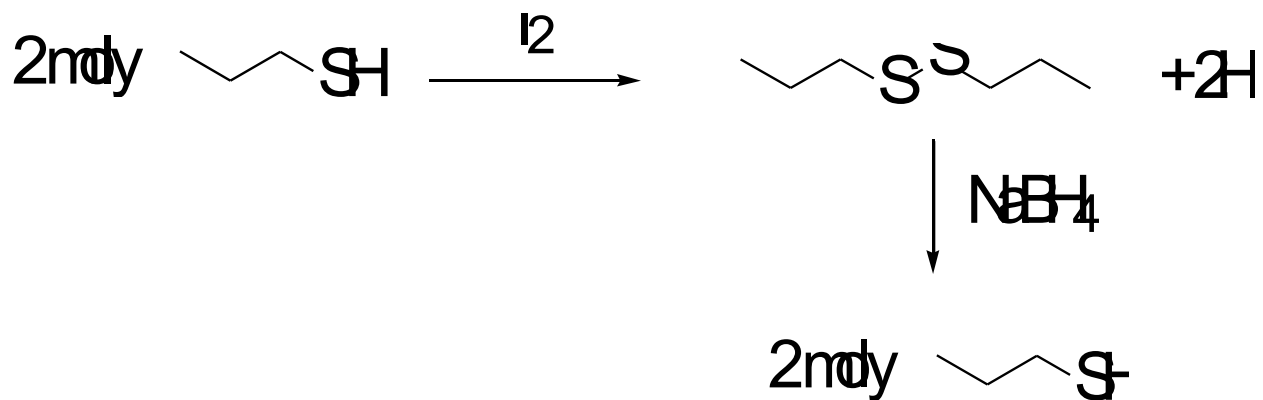
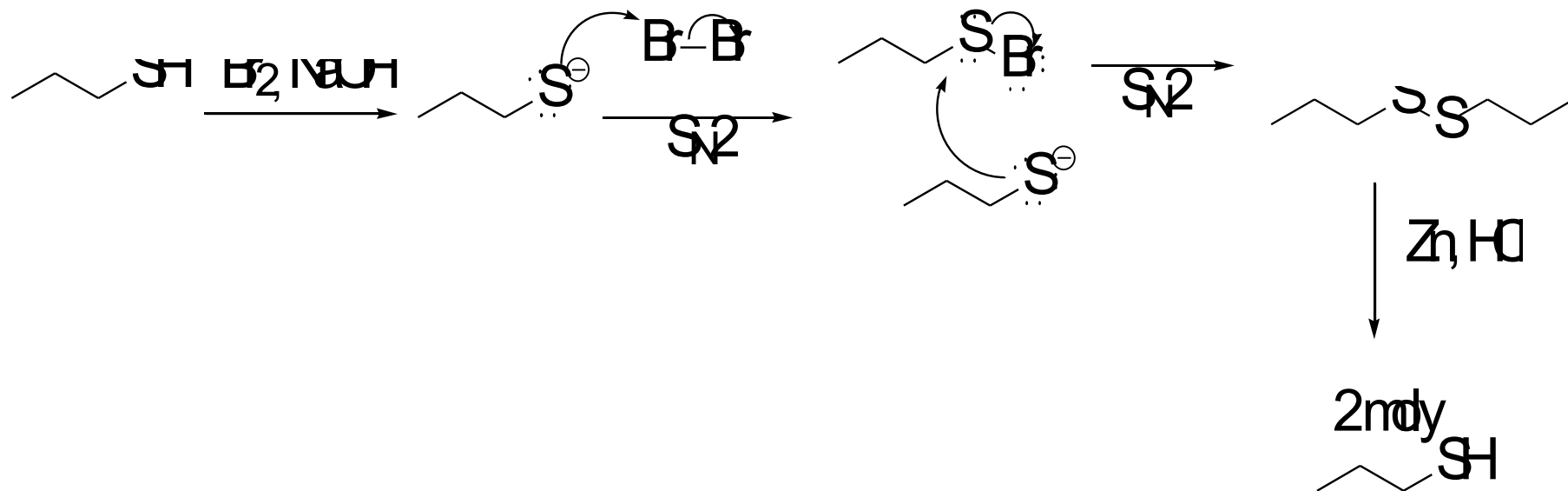
## ambidentní hydrogensulfátový ion



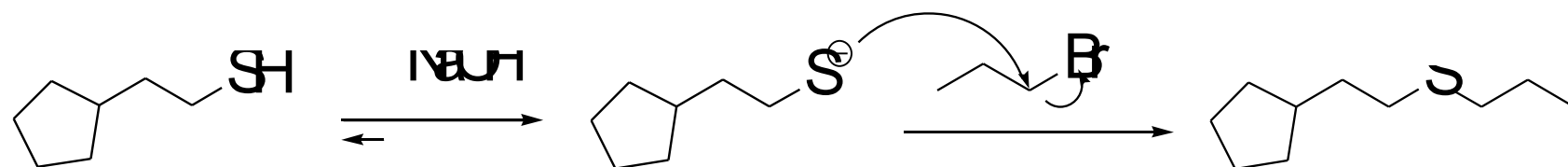
## MFH



## » THIOLY – oxidace

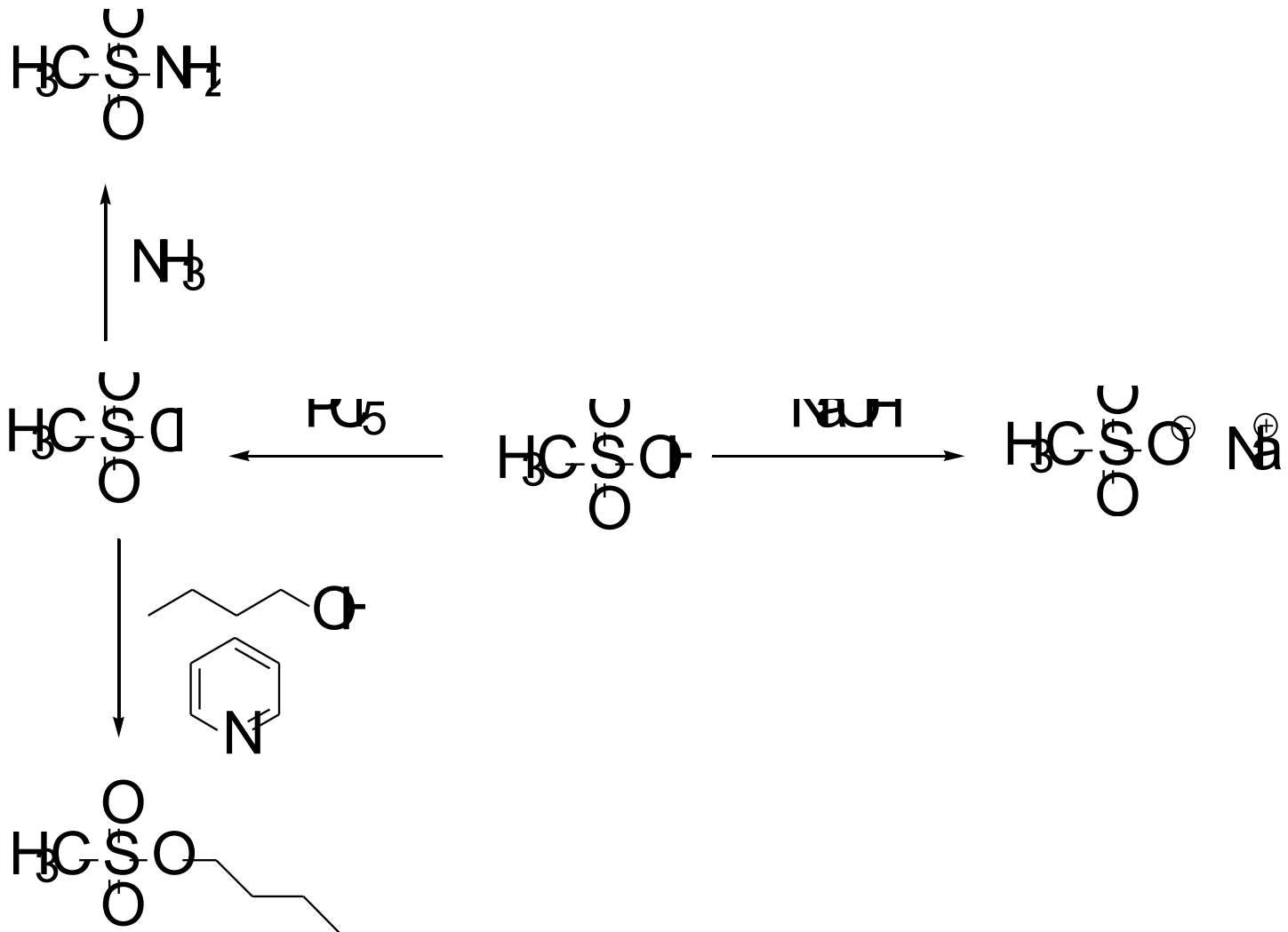


## » SULFIDY – příprava sulfidů z thiolů

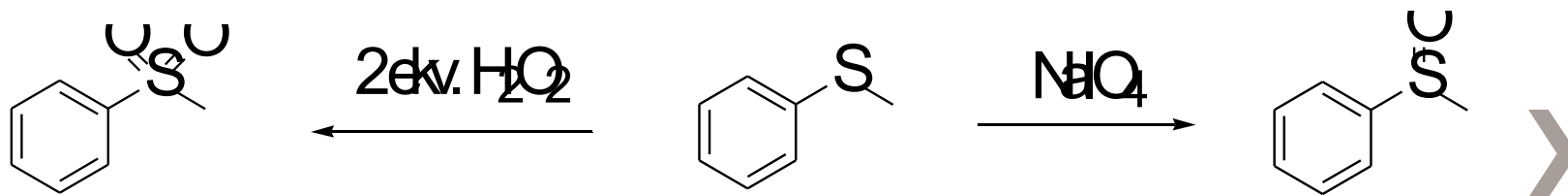
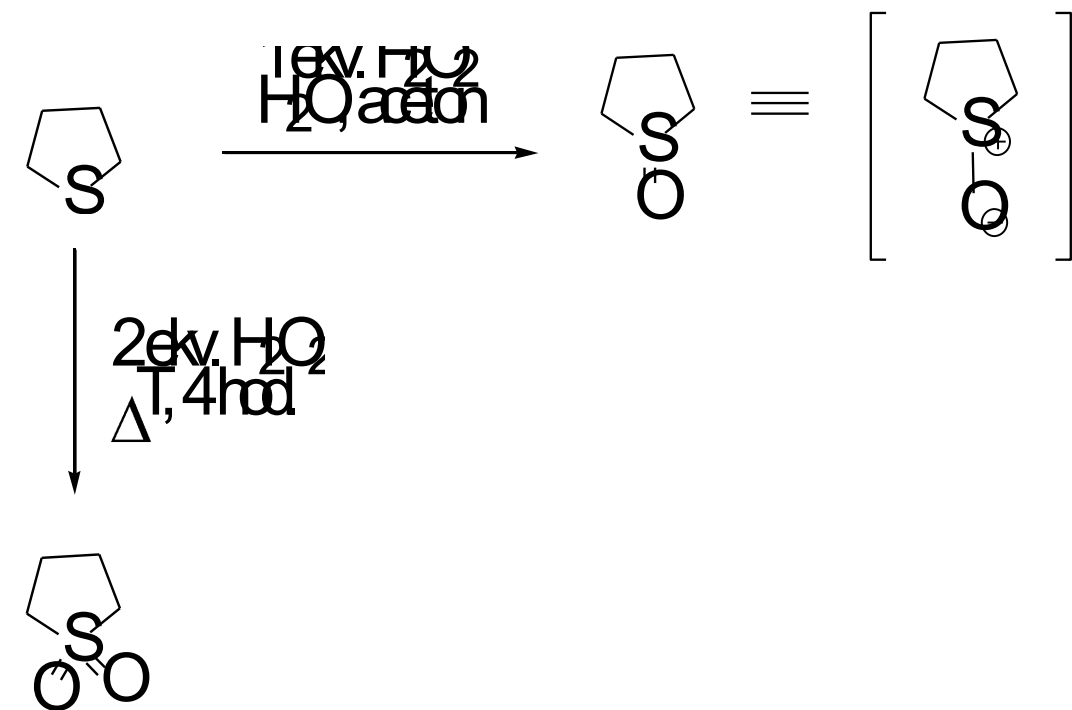




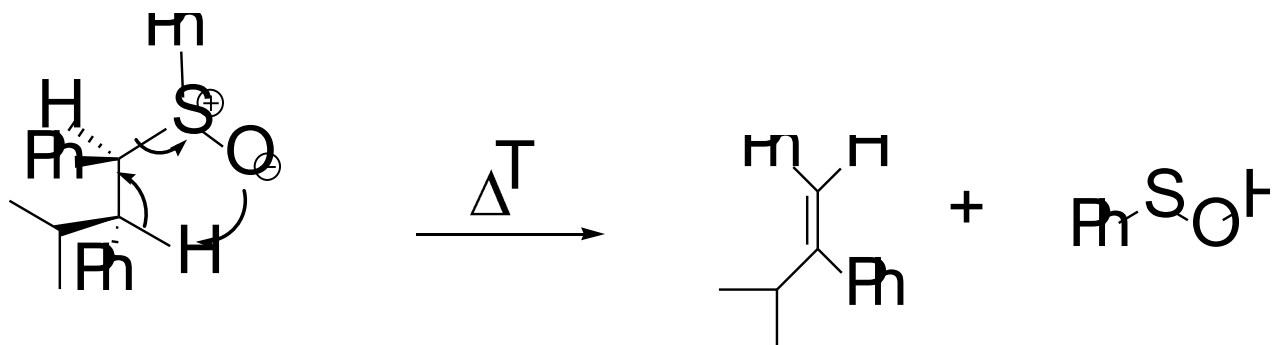
## » SULFONOVÉ KYSELINY A JEJICH TRANSFORMACE



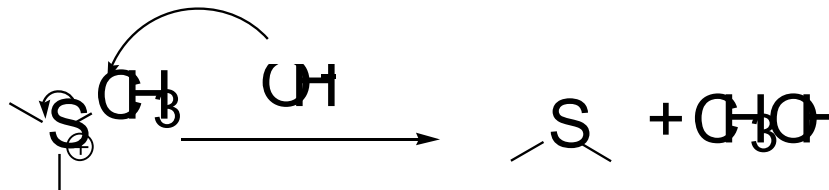
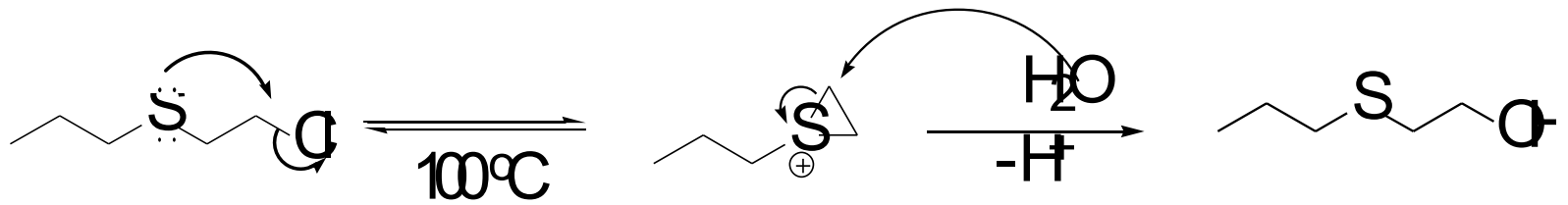
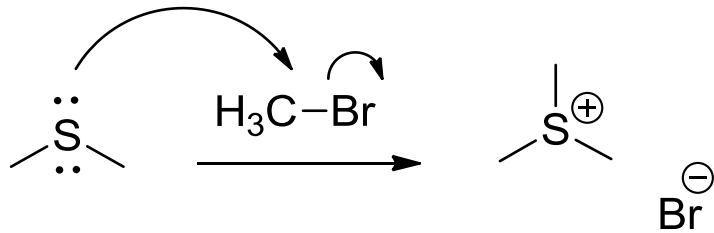
## » SULFIDY – oxidace



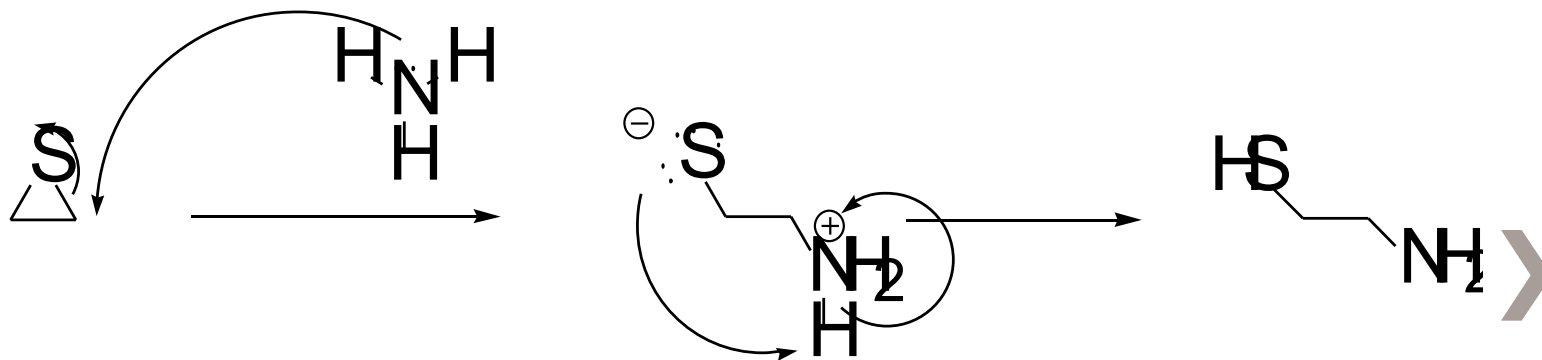
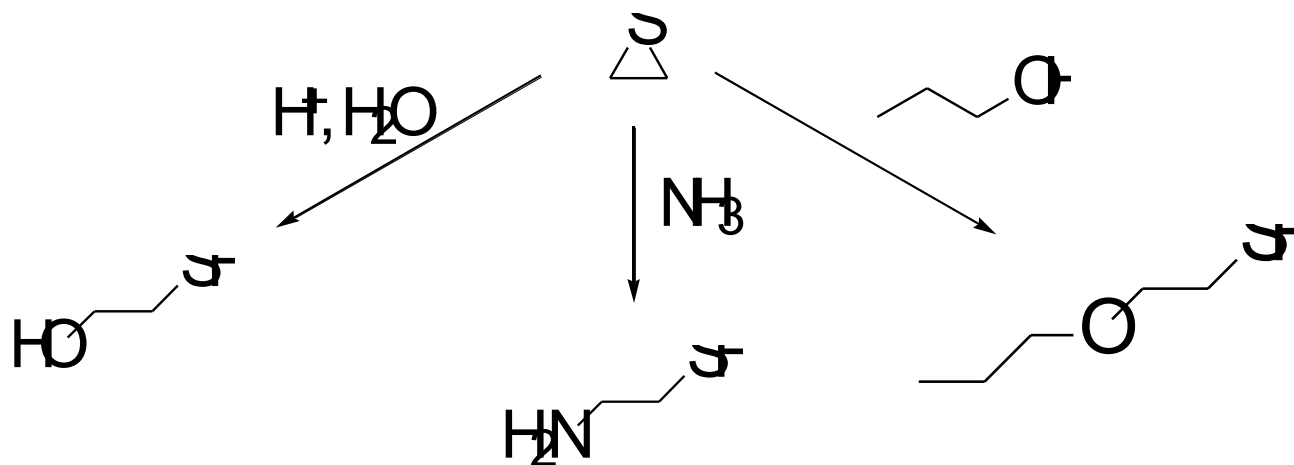
- » Doplňte produkt uvedené reakce
- » SYN – eliminace sulfoxidů

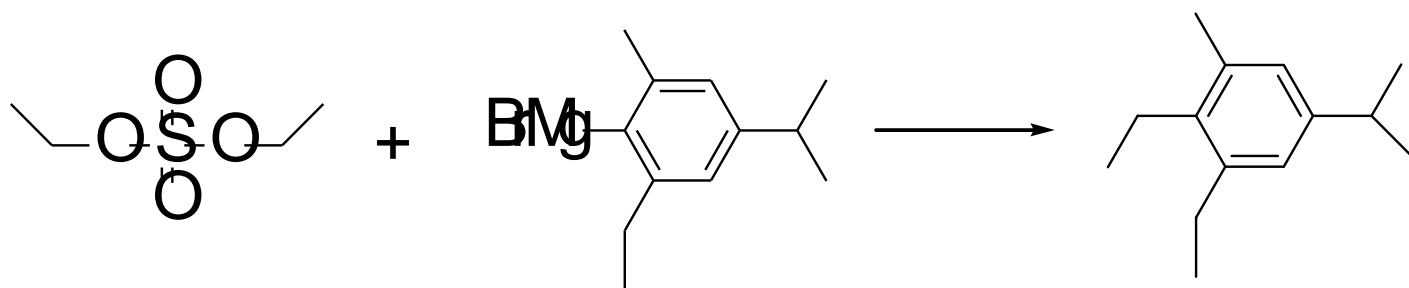


## » SULFIDY – tvorba sulfoniových solí

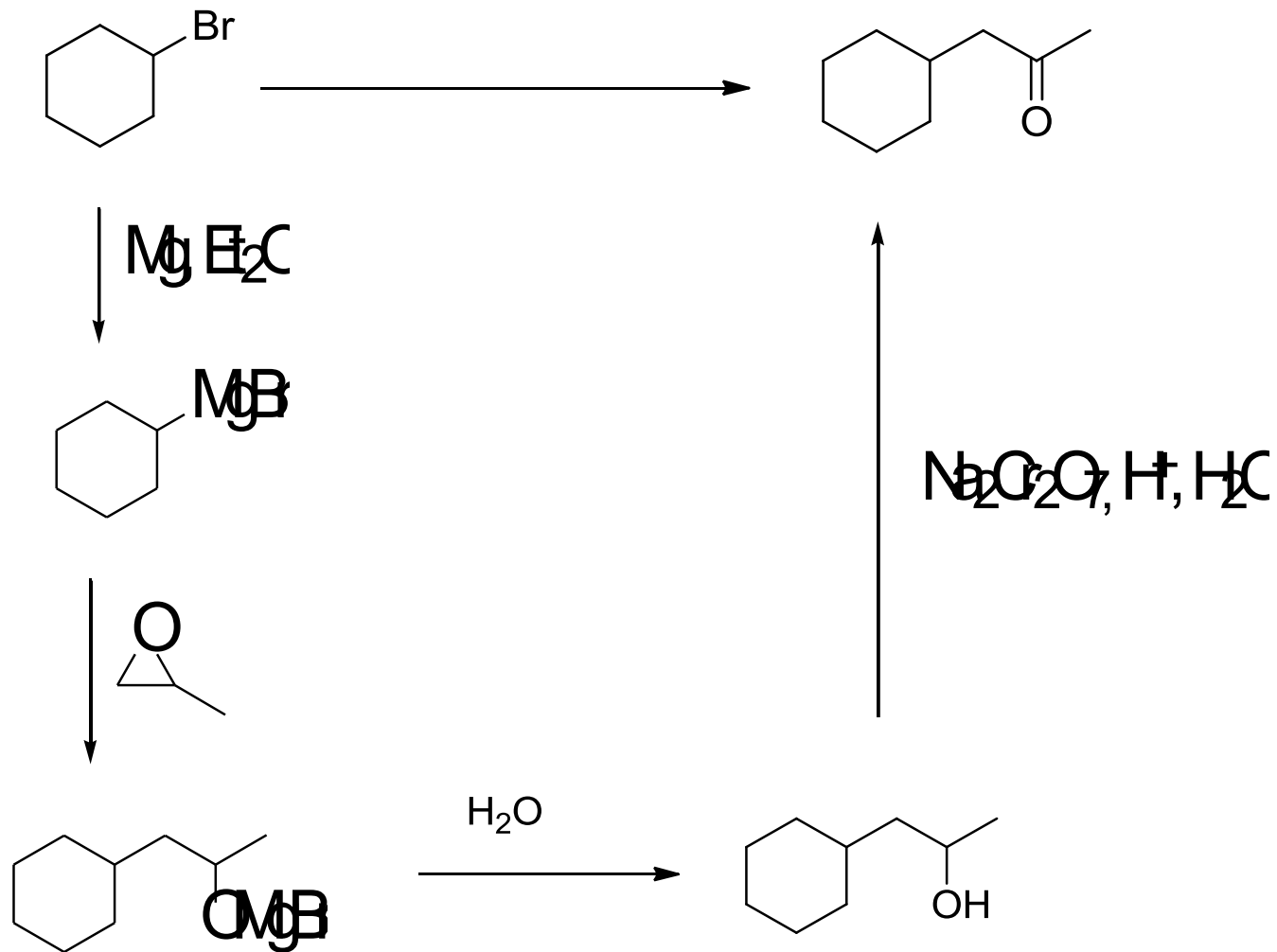


## » Doplňte produkty reakcí





» Navrhněte vhodné reakční podmínky pro následující přeměny



» Navrhněte vhodné reakční podmínky pro následující přeměny

