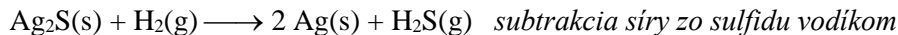
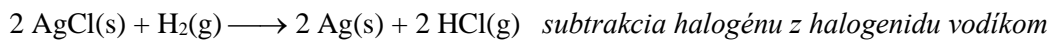
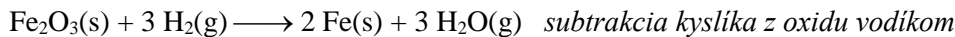
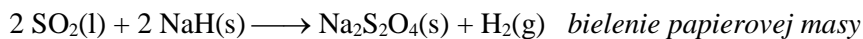
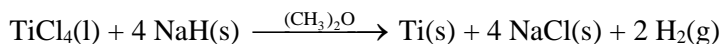
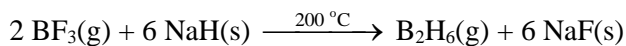
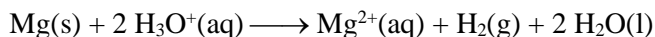
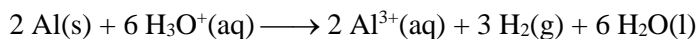
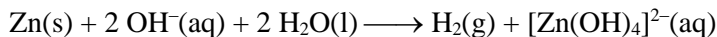
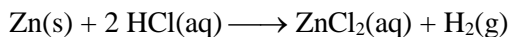


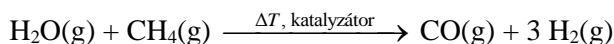
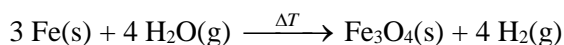
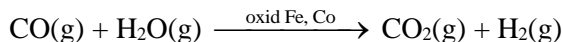
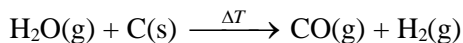
Vodík



laboratórne prípravy vodíka

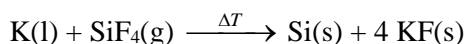
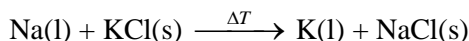
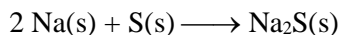
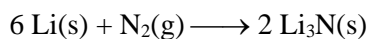
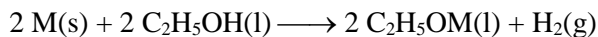
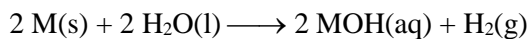


priemyselné prípravy vodíka

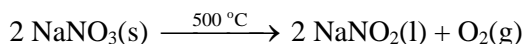
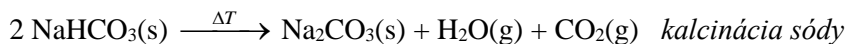


Alkalické kovy (1. skupina)

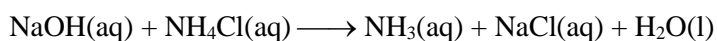
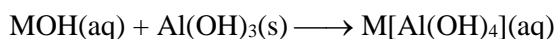
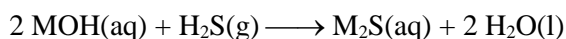
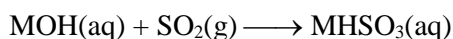
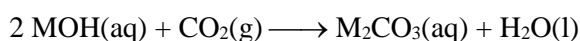
redukčné vlastnosti alkalických kovov ($M = \text{Li, Na, K, Rb, Cs}$)

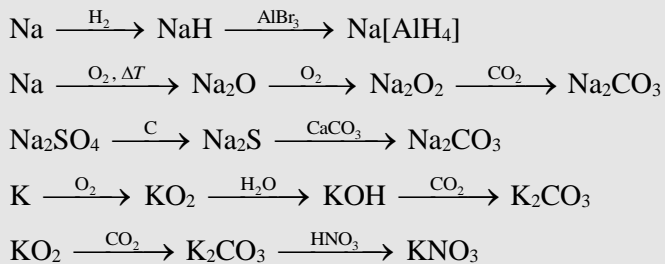


termické rozklady sodných solí

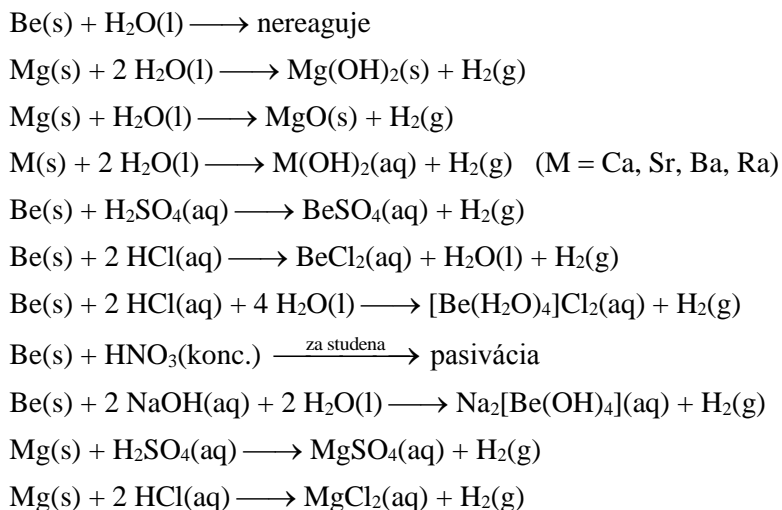


reakcie hydroxidov alkalických kovov ($M = \text{Na, K, Rb, Cs}$)

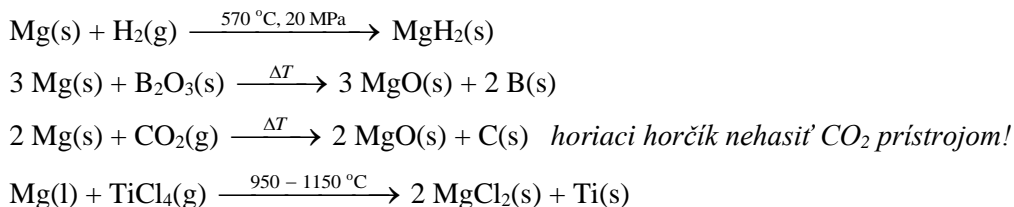




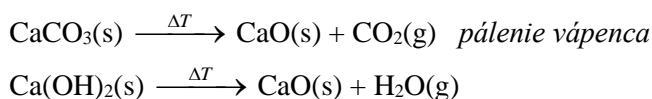
Berýlium, horčík a kovy alkalických zemín (2. skupina)



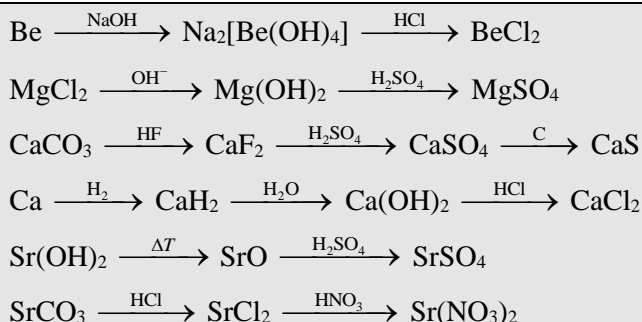
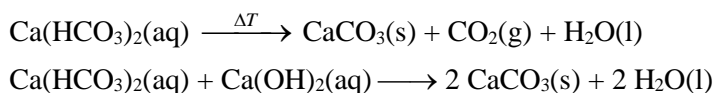
redukčné vlastnosti horčíka

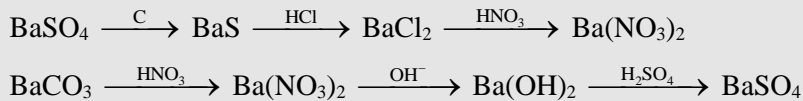


termické rozklady

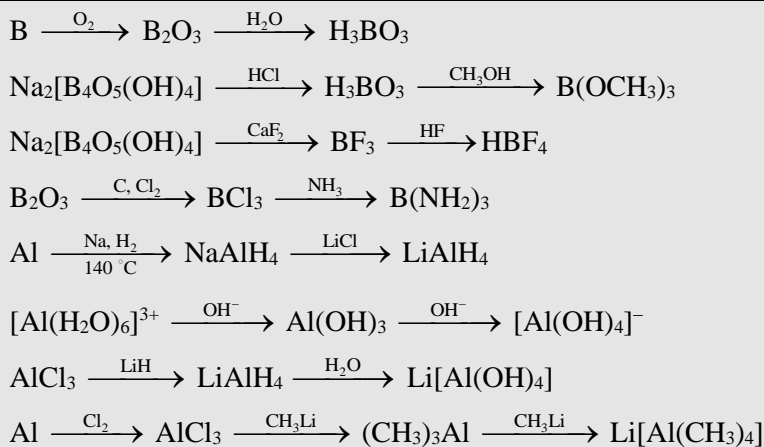
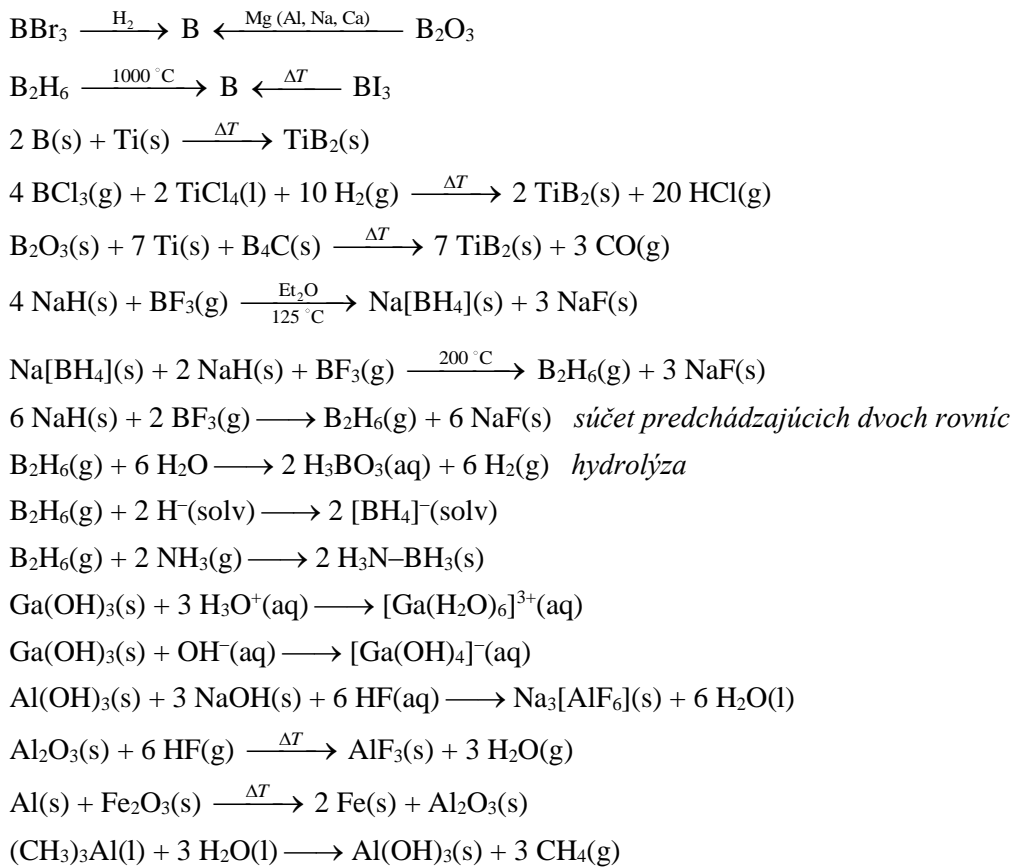


odstraňovanie prechodnej tvrdosti vody

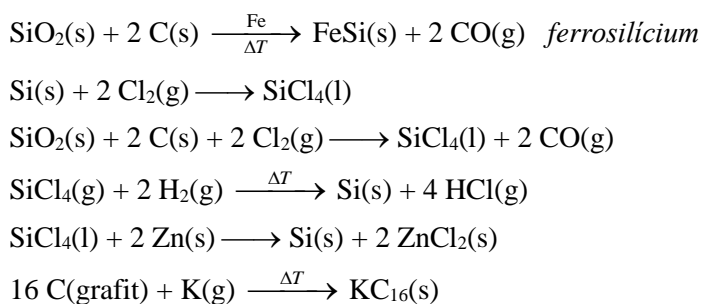


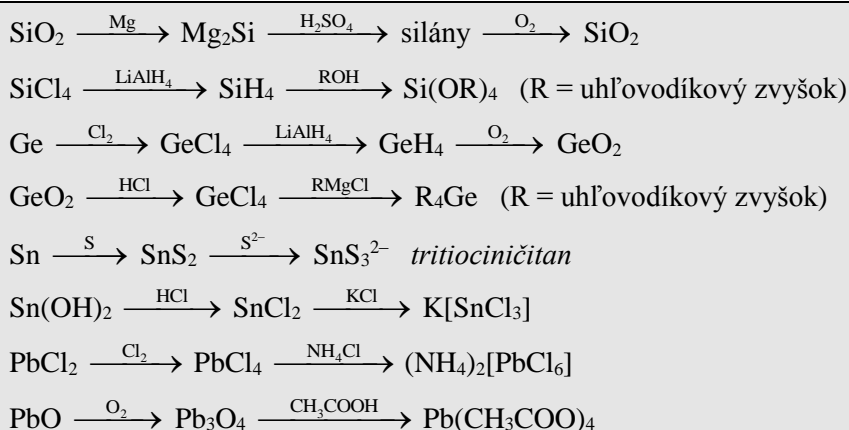
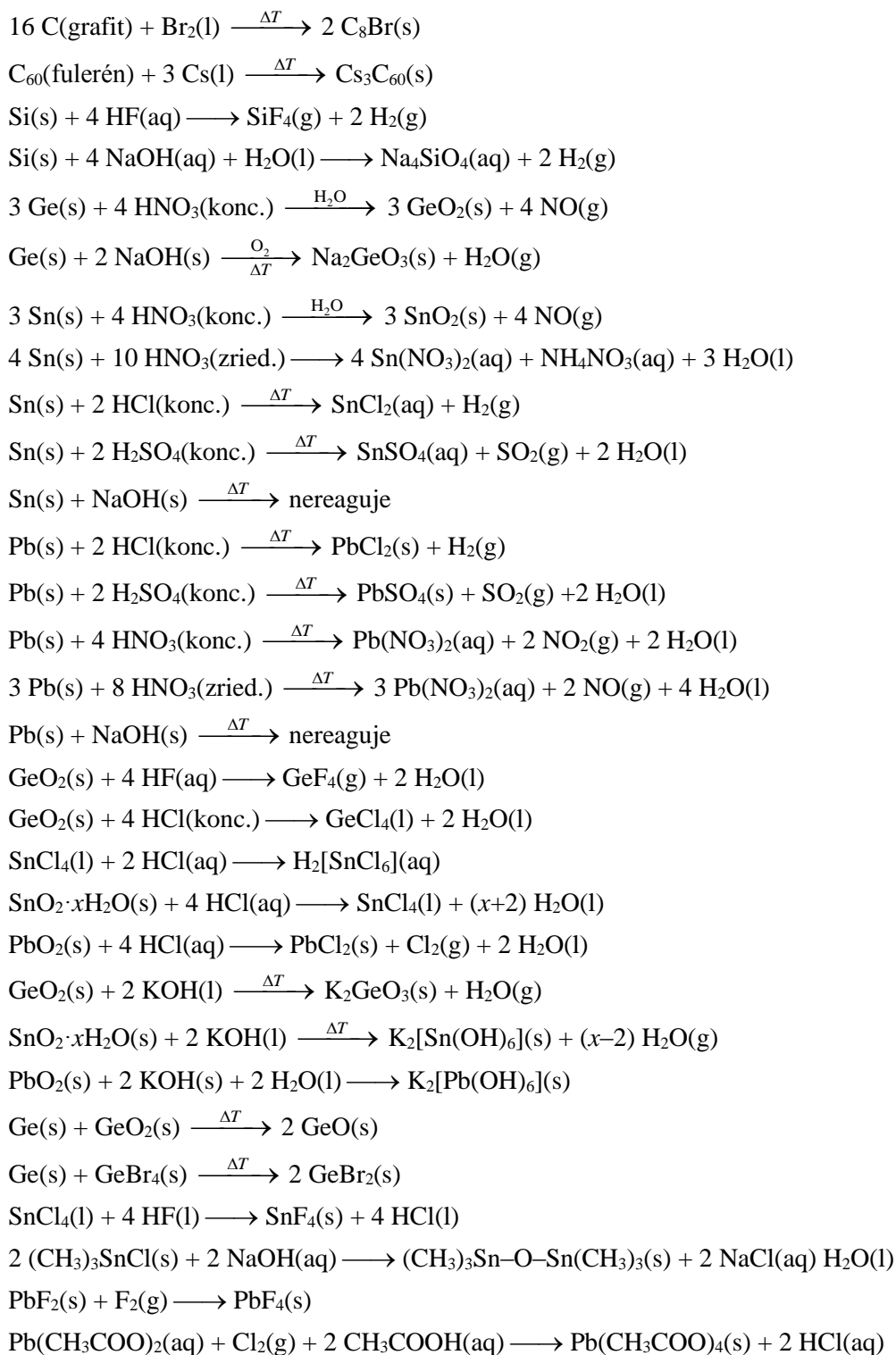


Bór, hliník, gálium, indium a tálum (13. skupina)



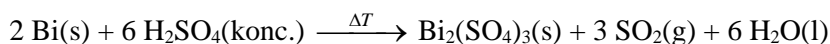
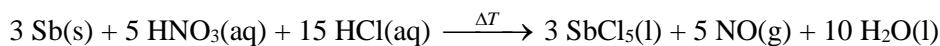
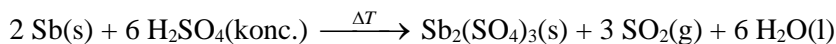
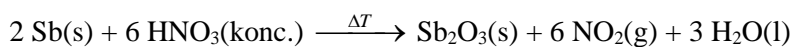
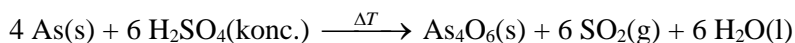
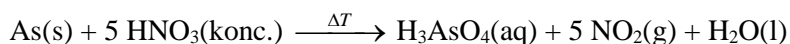
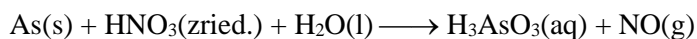
Uhlík, kremík, germánium, cín a olovo (14. skupina)



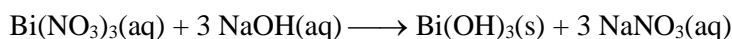
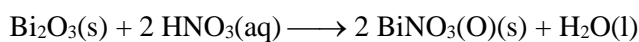
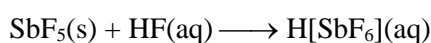
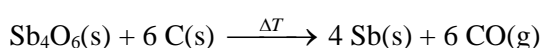
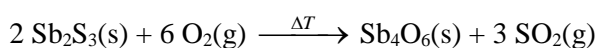
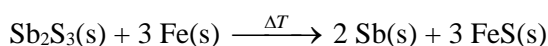
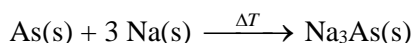
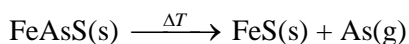
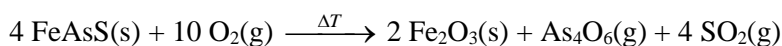
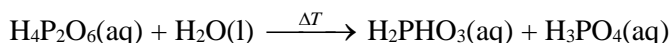
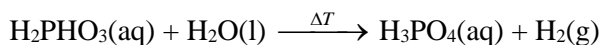
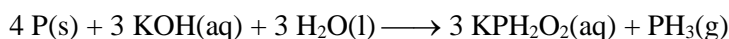
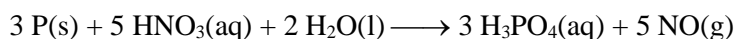
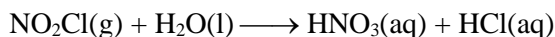
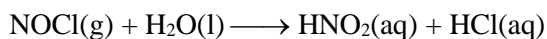
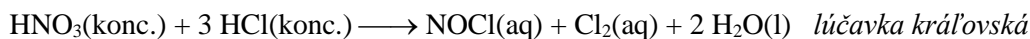
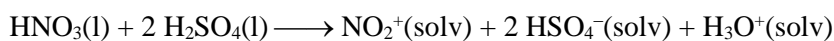
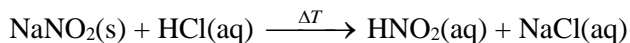
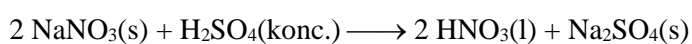
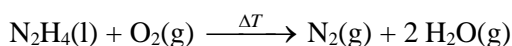
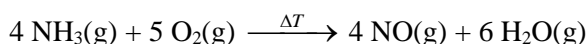
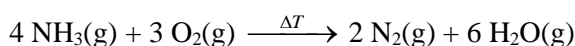
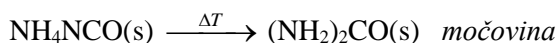
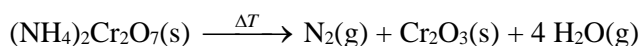
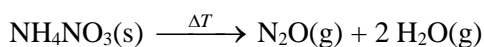


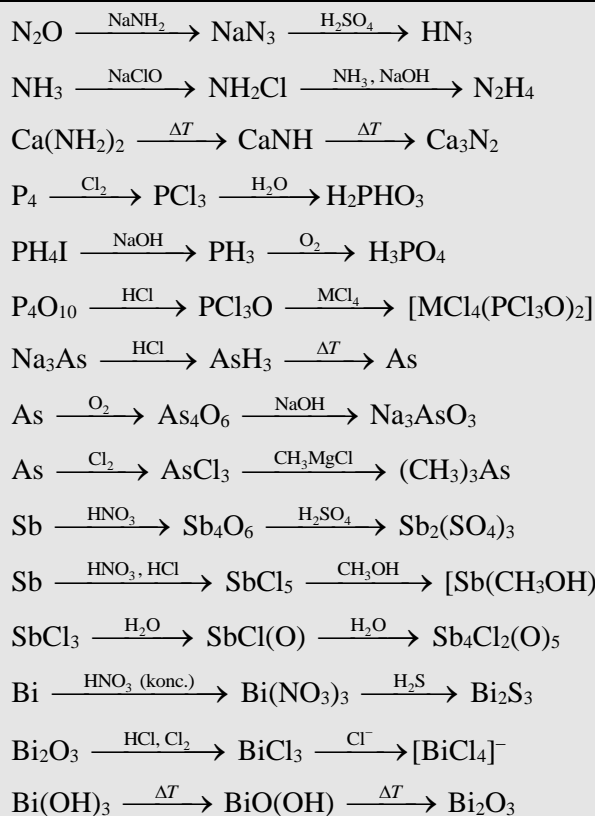
Dusík, fosfor, arzén, antimón a bizmut (15. skupina)

reakcie prvkov s oxidujúcimi kyselinami



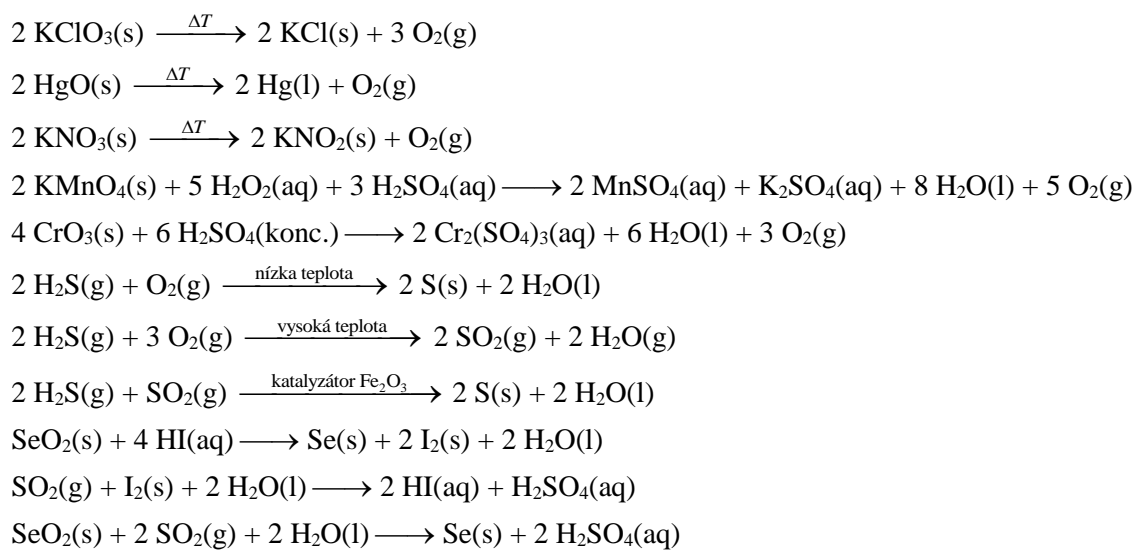
termické rozklady



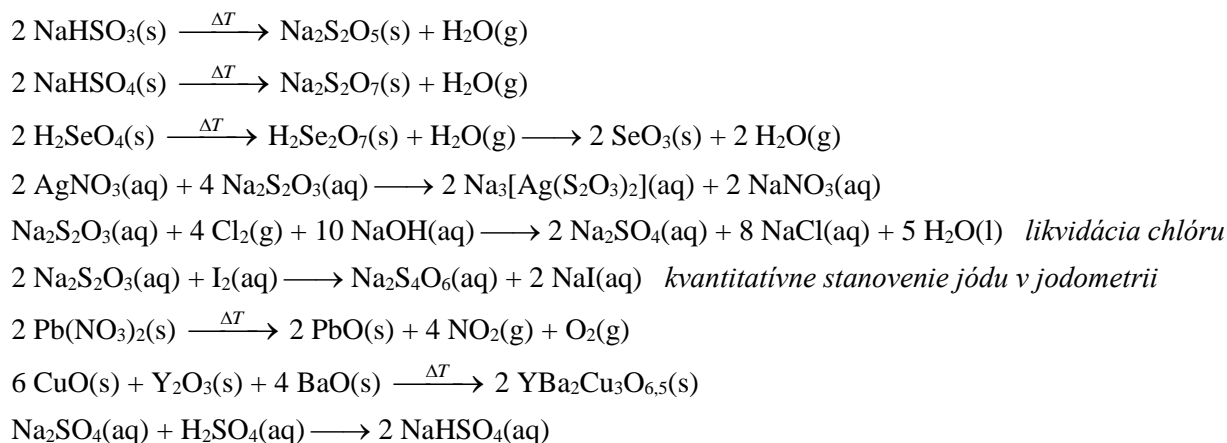


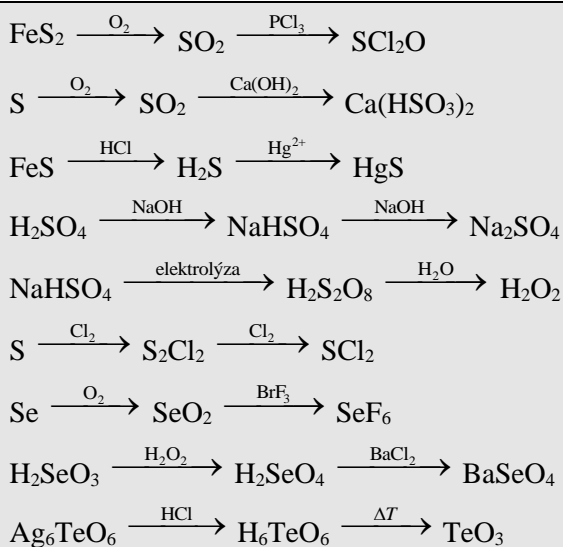
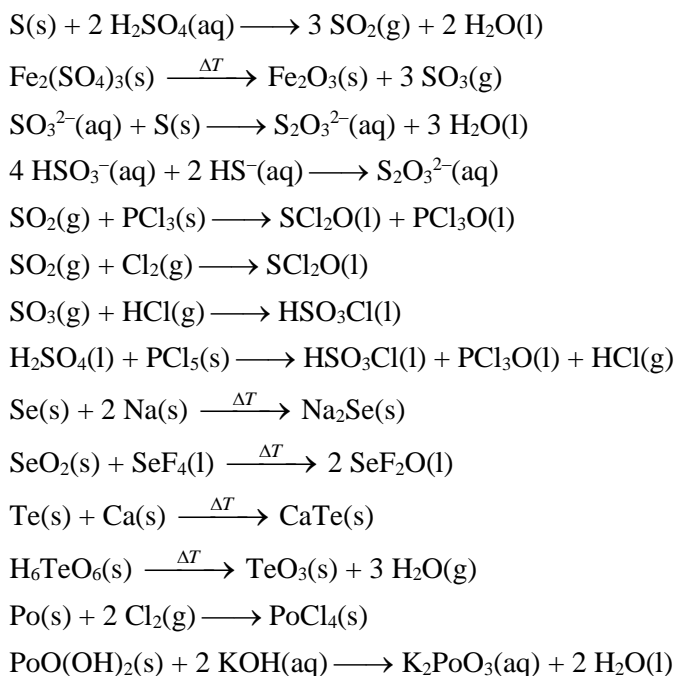
Kyslík, síra, selén, telúr a polónium (16. skupina)

rovnice prípravy kyslíka a síry



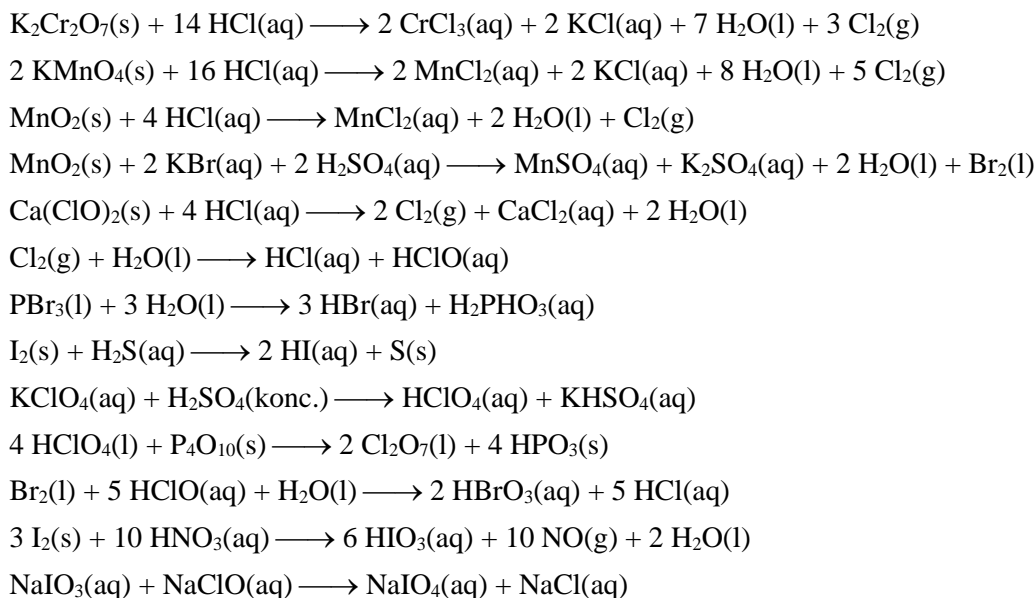
kondenzačné reakcie

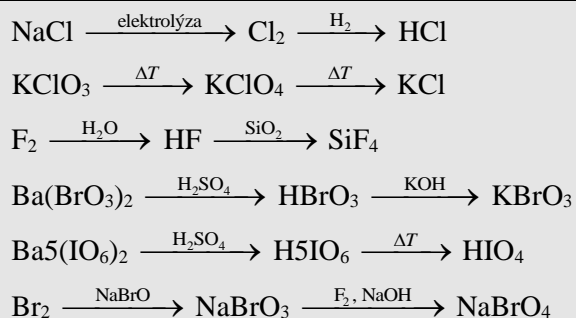




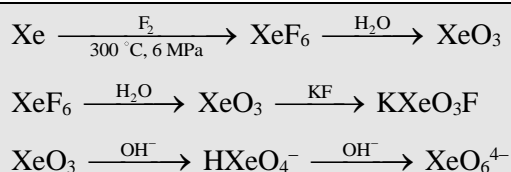
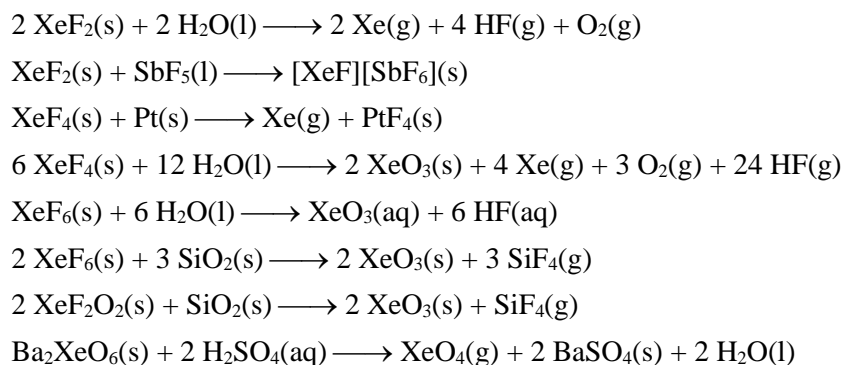
Fluór, chlór, bróm, jód a astát (17. skupina)

příprava chlóru a brómu

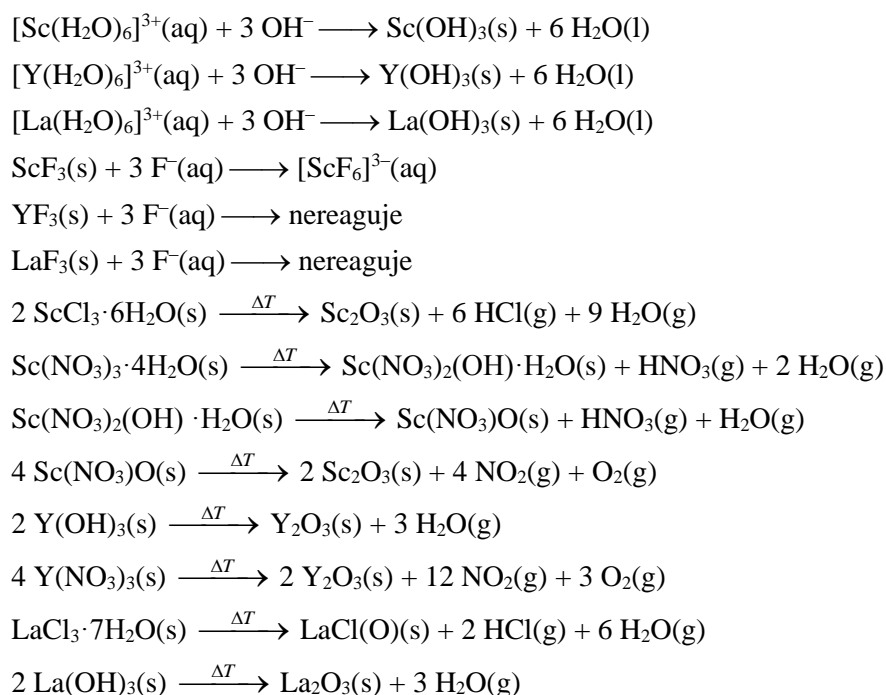


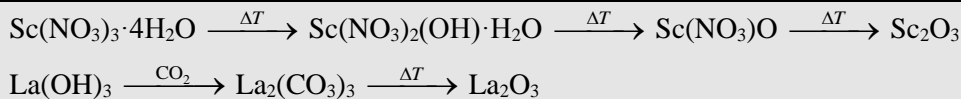


Vzácné plyny (18. skupina)

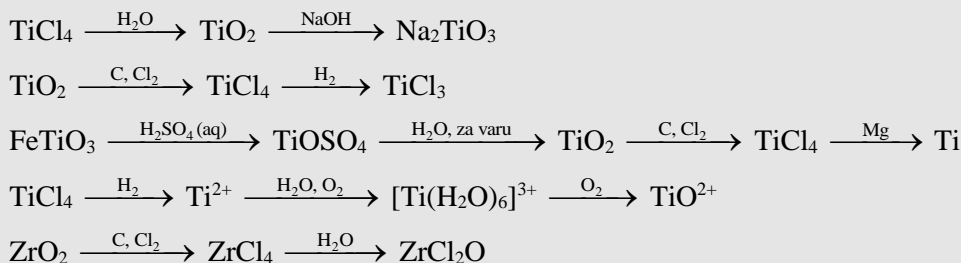
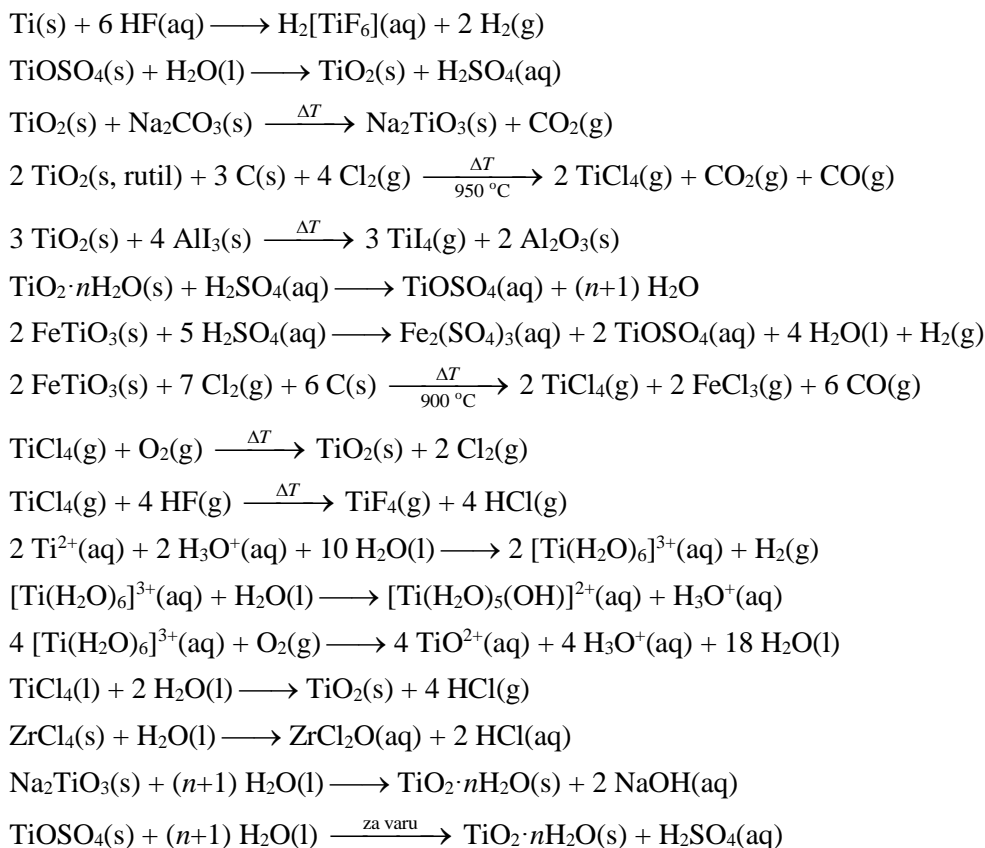


Skandium, ytrium a lantán (3. skupina)

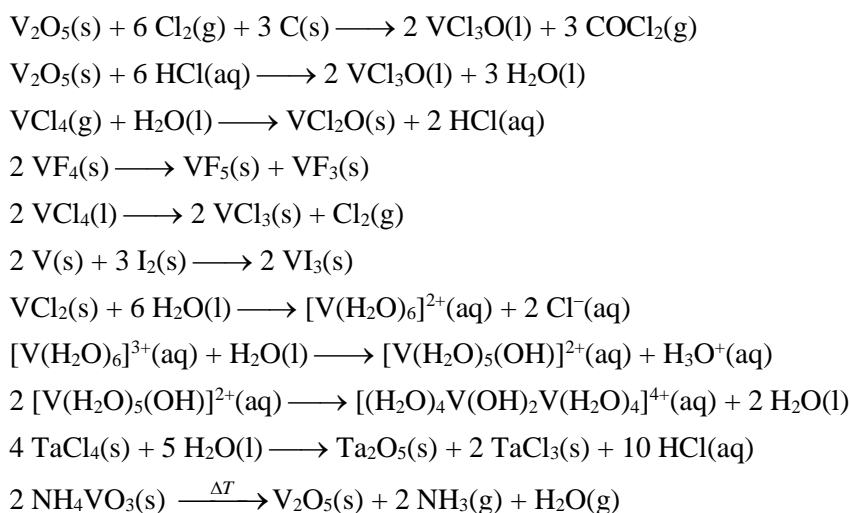


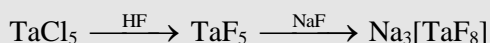
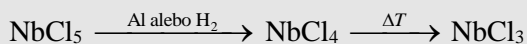
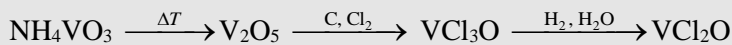
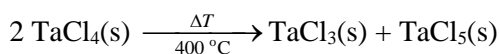
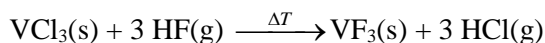
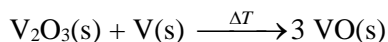
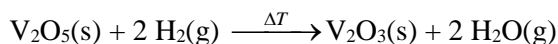
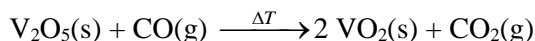
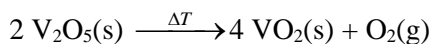


Titán, zirkónium a hafnium (4. skupina)

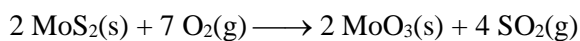
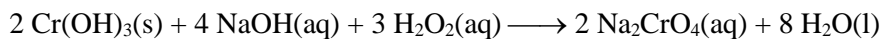
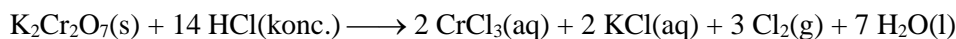
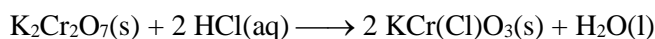
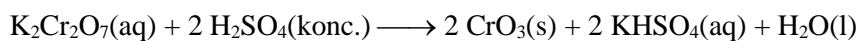
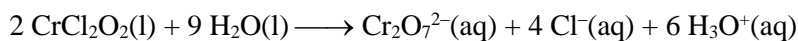
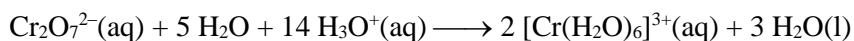


Vanád, niób a tantal (5. skupina)

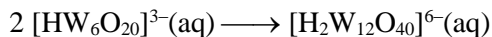
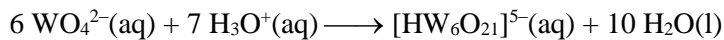
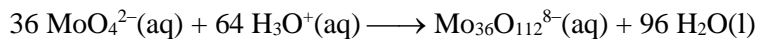
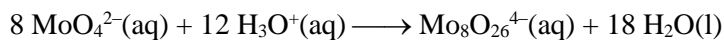
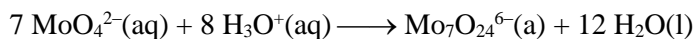
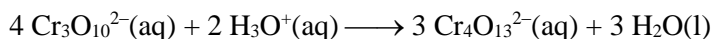
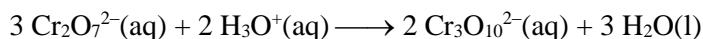
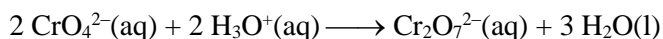




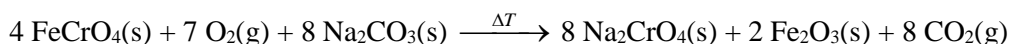
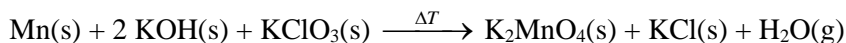
Chróm, molybdén a volfrám (6. skupina)



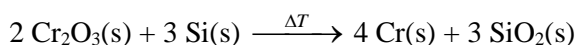
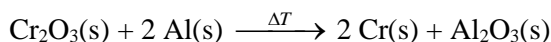
vznik izopolyzlúčenín kondenzačnými reakciami



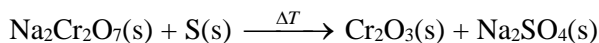
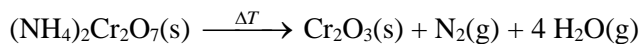
alkalické oxidačné tavenie



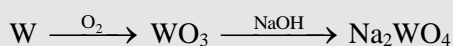
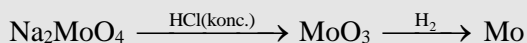
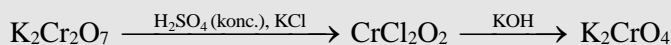
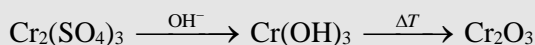
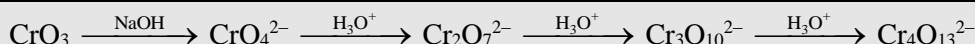
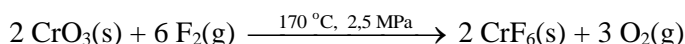
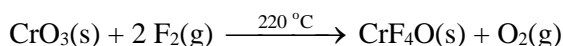
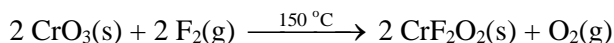
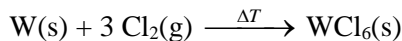
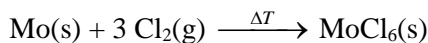
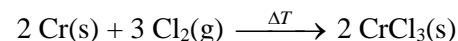
získavanie chrómu



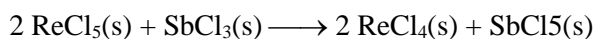
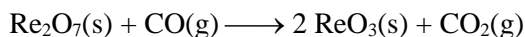
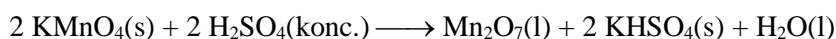
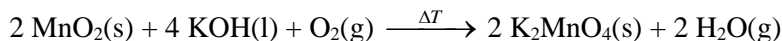
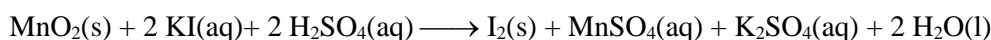
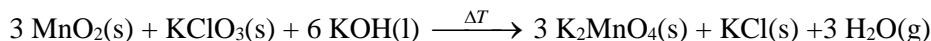
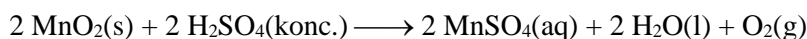
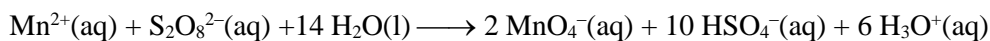
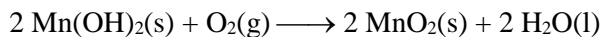
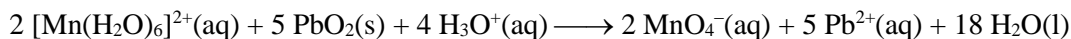
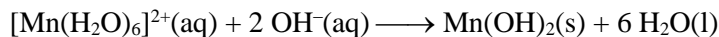
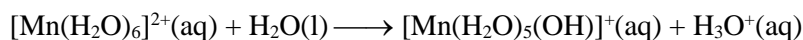
príprava oxidu chromitého



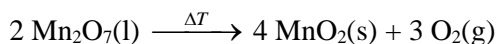
príprava halogenidov

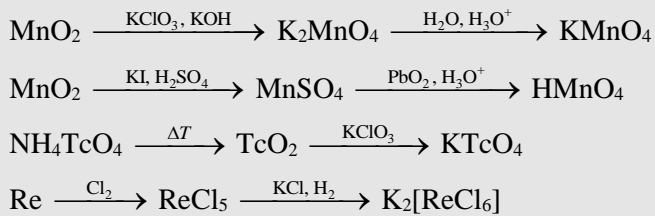


Mangán, technécium a réniium (7. skupina)

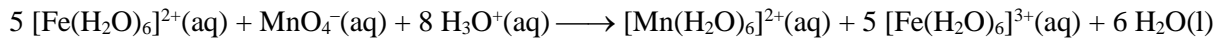
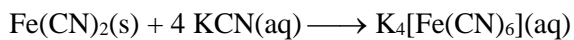
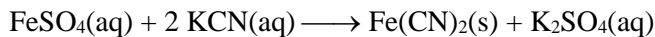
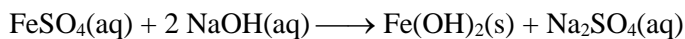
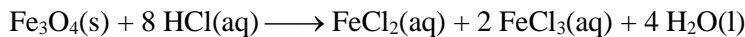
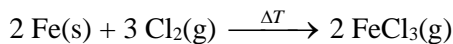
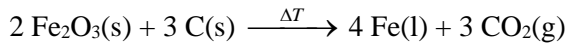
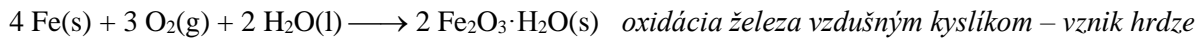


termické rozklady

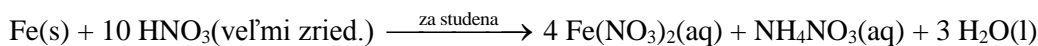
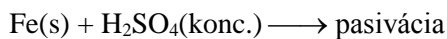
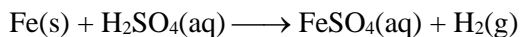
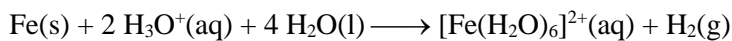




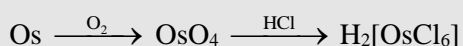
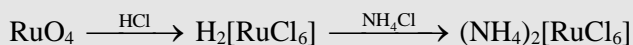
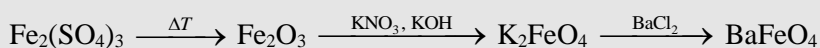
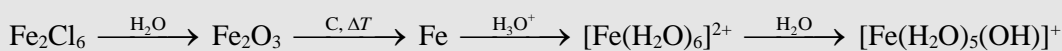
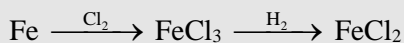
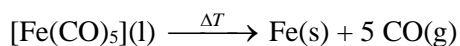
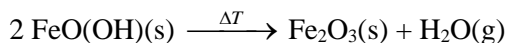
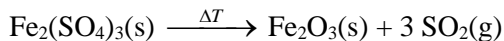
Železo, ruténium a osmium (8. skupina)



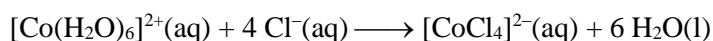
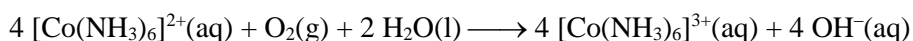
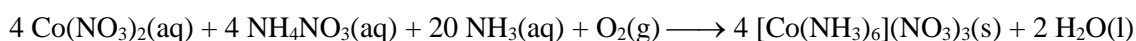
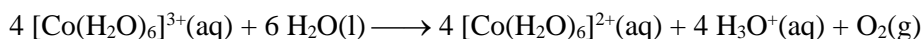
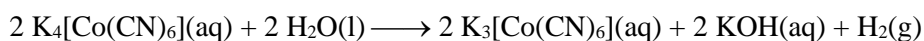
reakcie železa s kyselinami

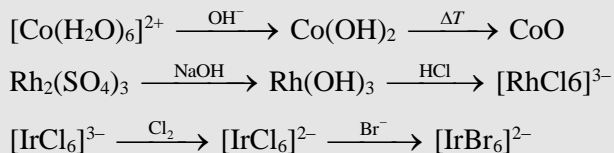


termické rozklady

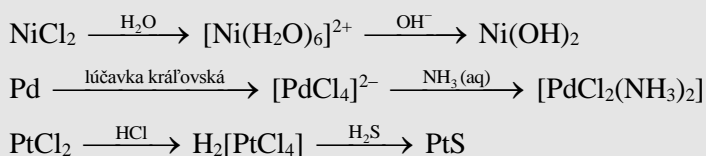
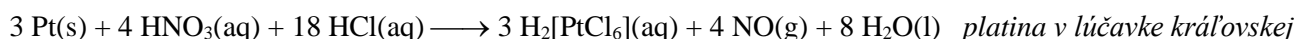
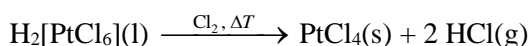
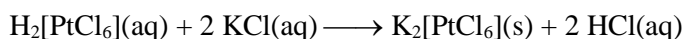
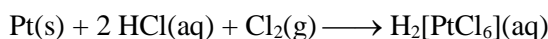
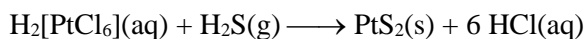
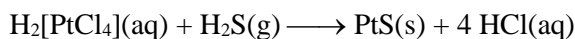


Kobalt, ródium a irídium (9. skupina)

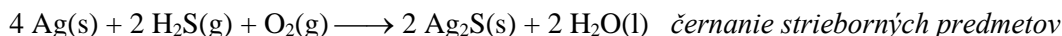




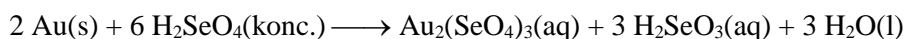
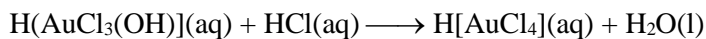
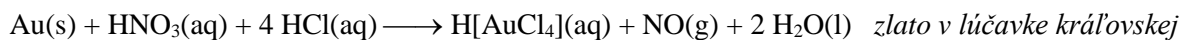
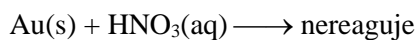
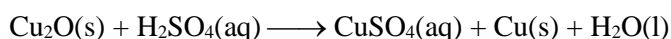
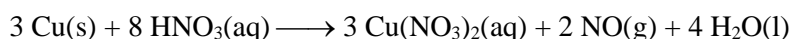
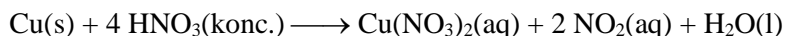
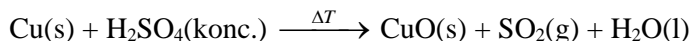
Nikel, paládium a platina (10. skupina)



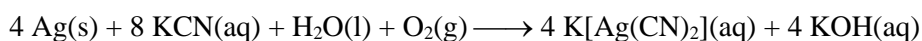
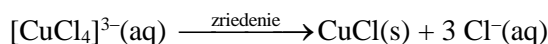
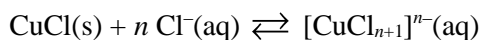
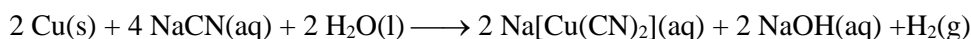
Med', striebro a zlato (11. skupina)

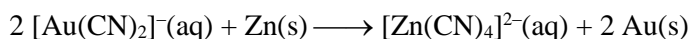
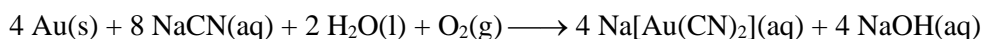
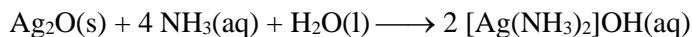
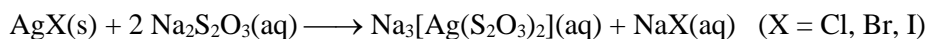


reakcie s kyselinami

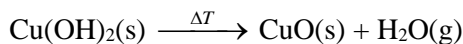
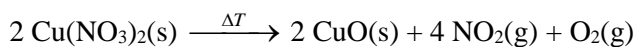


reakcie za účasti komplexov

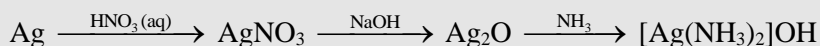
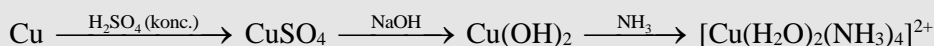
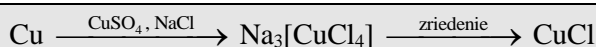
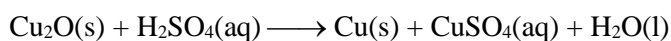
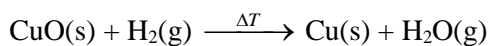




termické rozklady

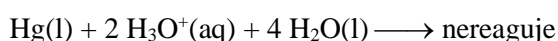
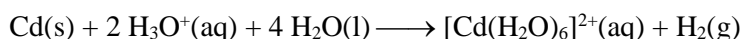
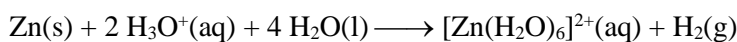


příprava elementárnej medi

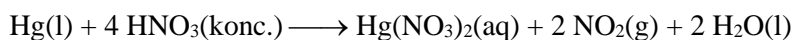
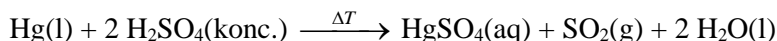
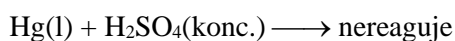
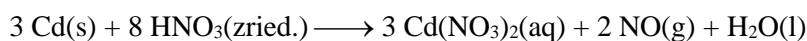
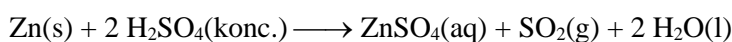
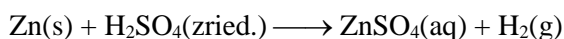


Zinok, kadmium a ortuť (12. skupina)

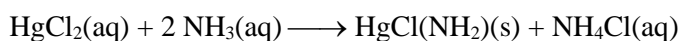
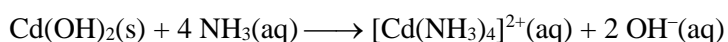
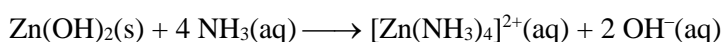
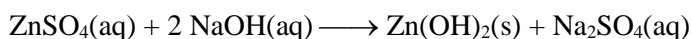
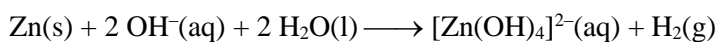
reakcie v kyslom prostredí silných neoxidujúcich kyselín

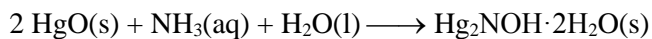
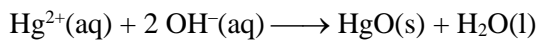
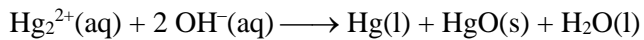
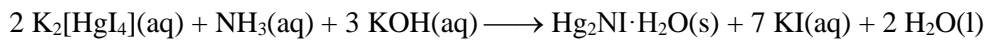


reakcie v kyslom prostredí silných oxidujúcich kyselín



reakcie v zásaditom prostredí





reakcie pri zvýšenej teplote

