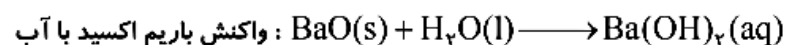
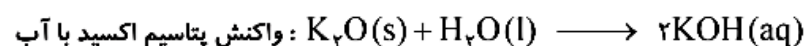
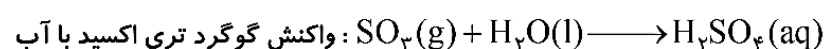
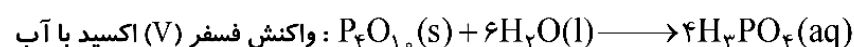
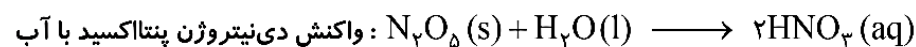


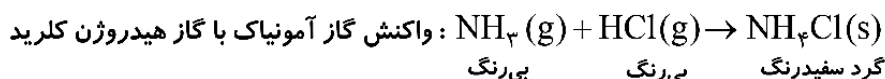
هیدروکسید فلز \rightarrow آب + اکسید فلز

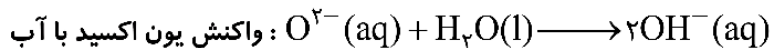


اسید اکسیژن دار \rightarrow آب + اکسید نافلز

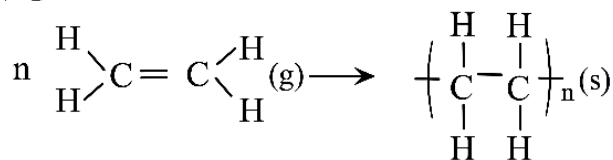


نمک آمونیوم \rightarrow آمونیاک + اسید

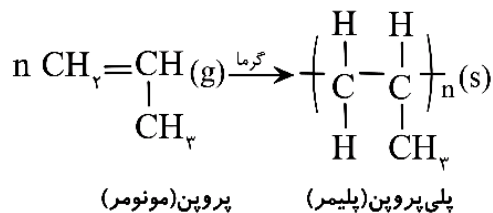




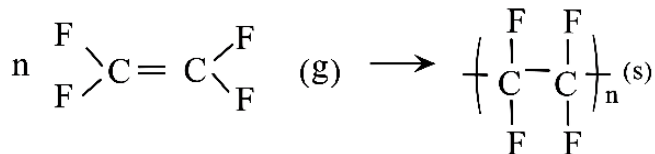
واکنش پلیمر شدن اتن (تهیه ی پلی اتن):



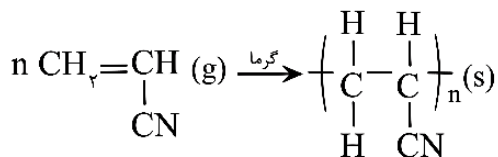
واکنش پلیمر شدن پروپن:



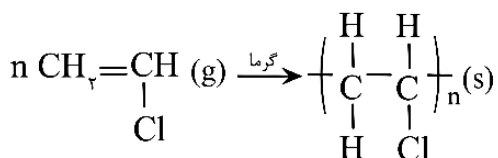
واکنش پلیمر شدن تترافلوئورو اتن:



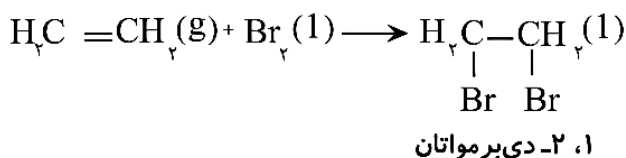
واکنش پلیمر شدن سیانواتن:



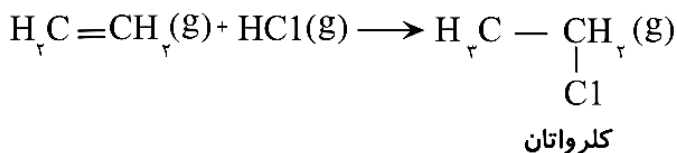
واکنش پلیمر شدن وینیل کلرید یا کلرو اتن:



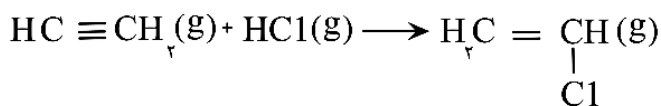
واکنش گاز اتن با برم مایع:

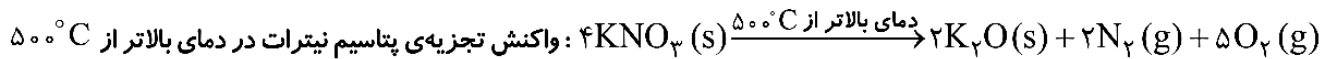
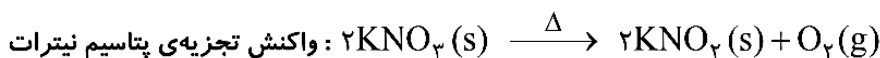
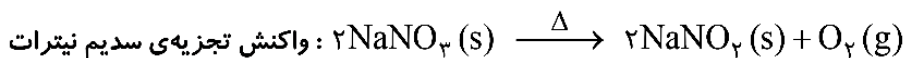
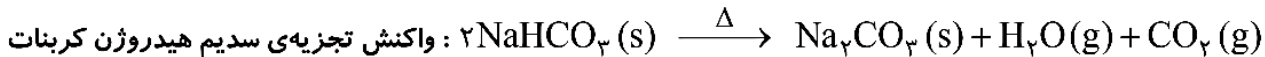
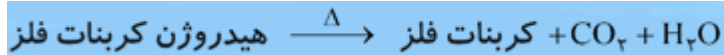
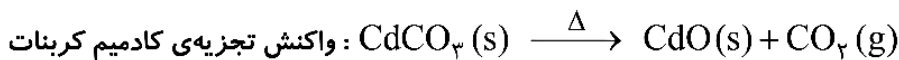
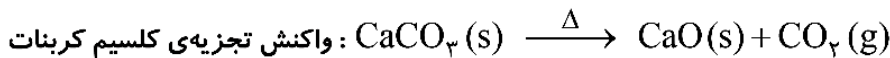
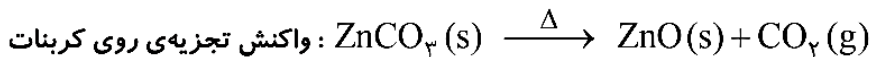


واکنش گاز اتن با گاز هیدروژن کلرید:

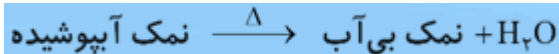
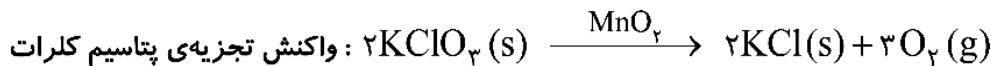
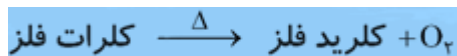


واکنش گاز اتین با گاز هیدروژن کلرید:





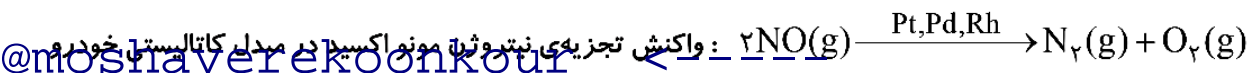
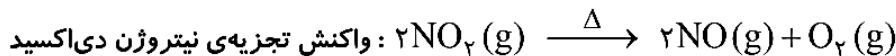
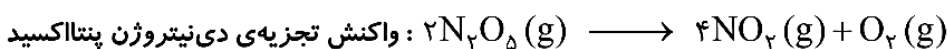
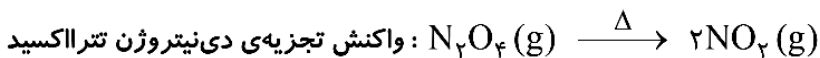
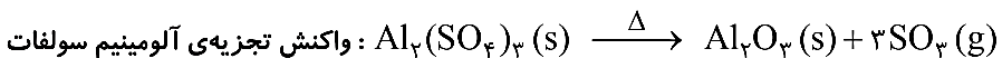
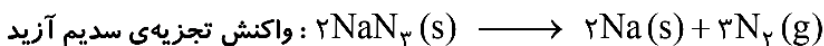
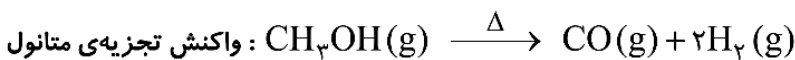
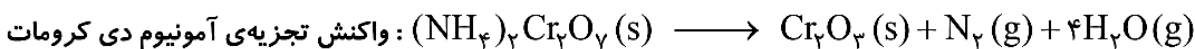
(البته از کتاب چاپ ۹۴ حذف شده است)

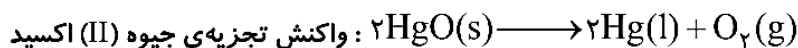
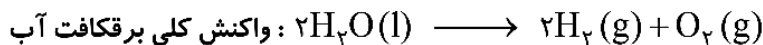
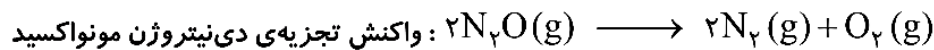
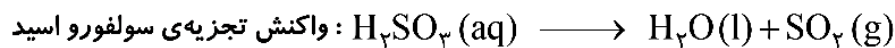
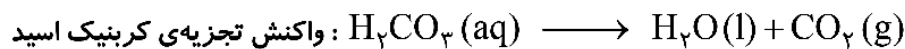
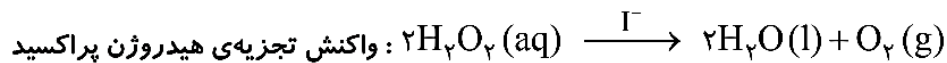
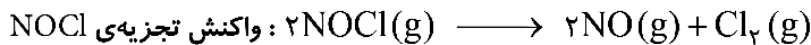


آبی رنگ

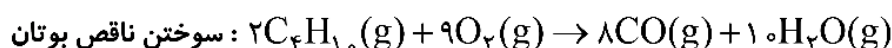
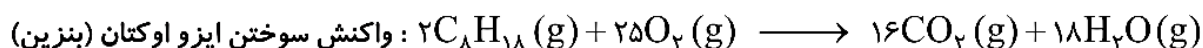
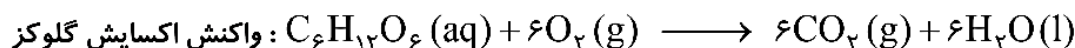
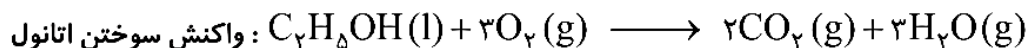
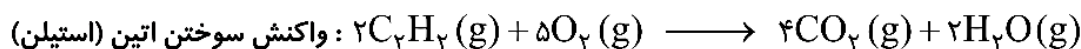
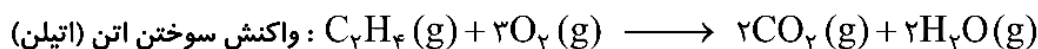
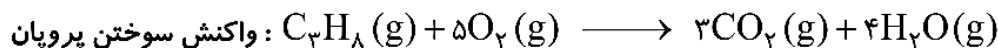
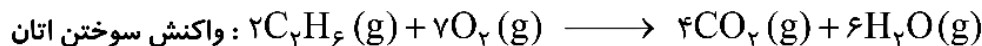
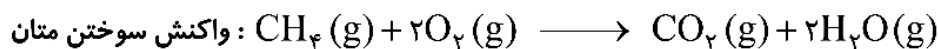
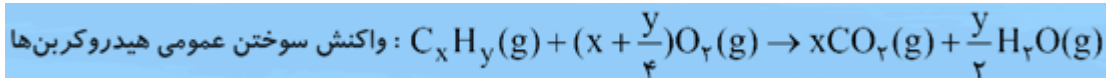
سفیدرنگ

تجزیه های بی قان و ن:

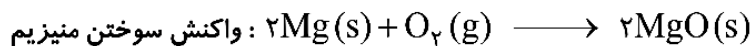




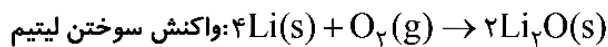
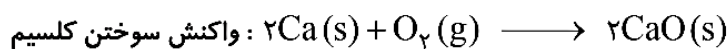
سوختن:

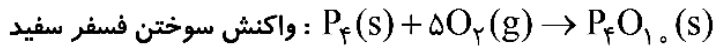
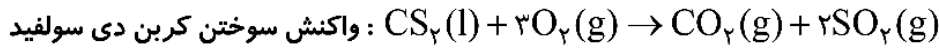
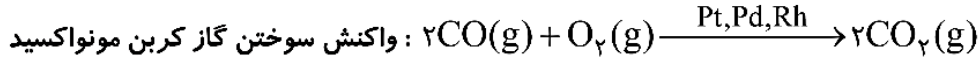
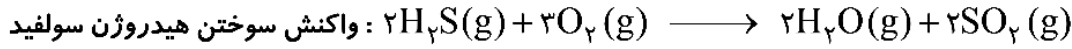
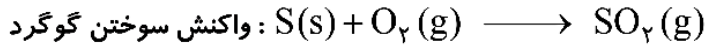
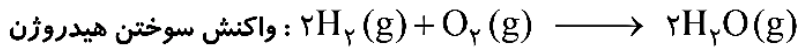
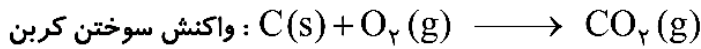


سوختن فلزات قلیایی و قلیایی خاکی به جز بریلیم (Be):

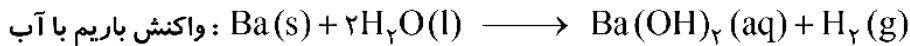
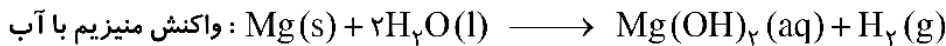
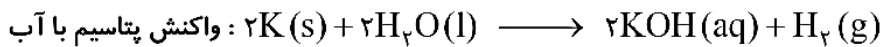
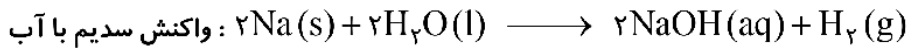
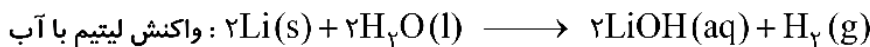
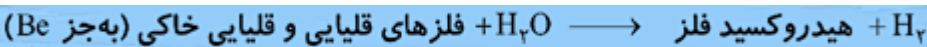
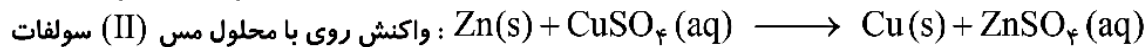
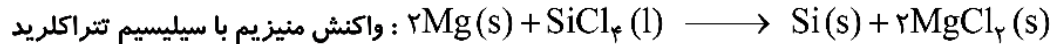
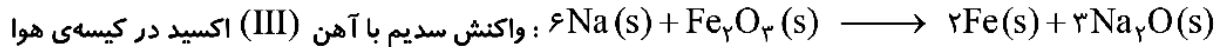
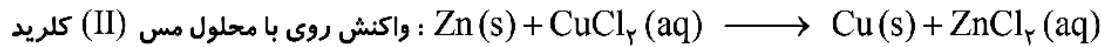
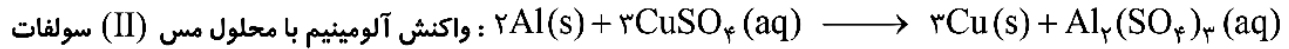


سفیدرنگ

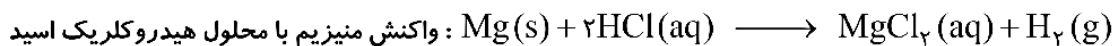
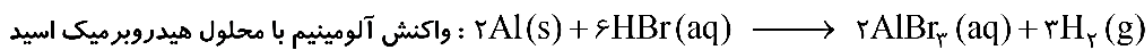
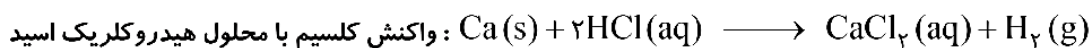
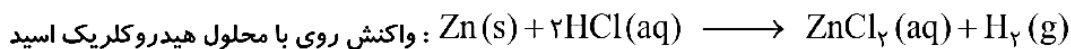




جابه جایه یگانه

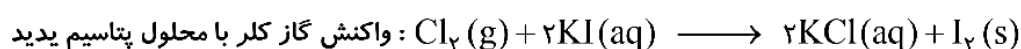
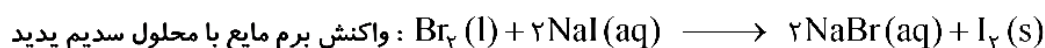
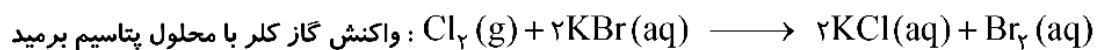


فلز + اسید → H₂ + نمک فلز

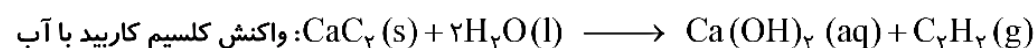
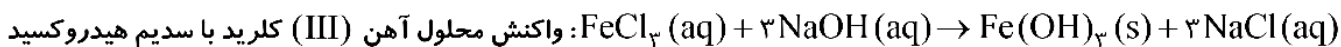
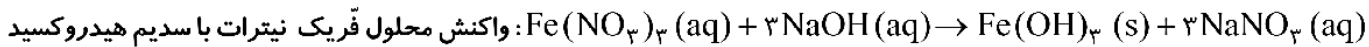
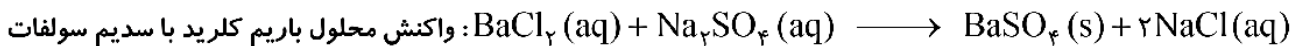
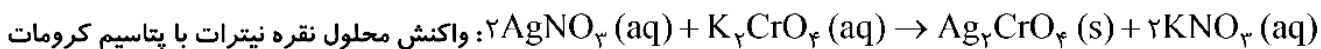
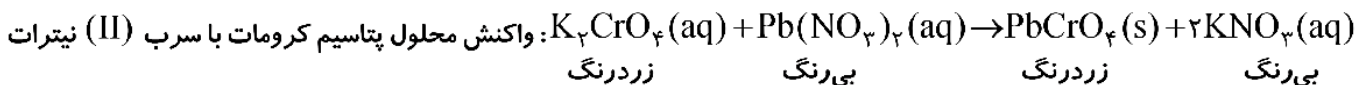
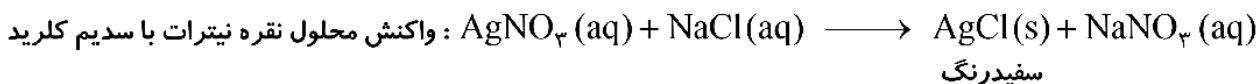
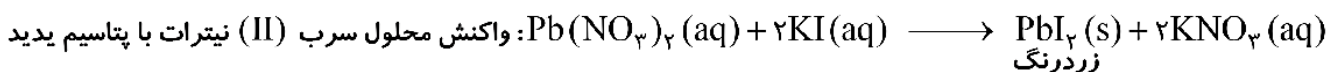
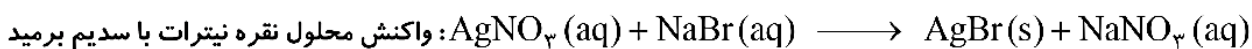


هالوژن غیر فعال تر + نمک هالوژن فعال تر → نمک هالوژن غیر فعال تر + هالوژن فعال تر

فعالیت هالوژن ها : F₂ > Cl₂ > Br₂ > I₂



جابه جایی دوگانه

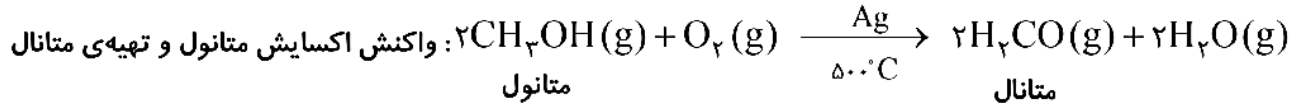


الکل + صابون → باز + استر (چربی و روغن یا تری گلیسرید)

آلدهید → اکسایش الکل نوع اول

کتون → اکسایش الکل نوع دوم

(واکنش انجام نمی شود) X → اکسایش الکل نوع سوم

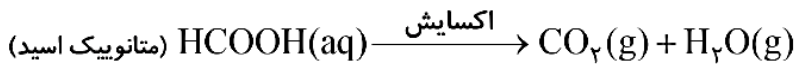


واکنش اکسایش متانال و تهیه متانوئیک اسید : $\text{H}_2\text{CO}(\text{aq}) + \text{Ag}_2\text{O}(\text{s}) \rightarrow \text{HCOOH}(\text{aq}) + 2\text{Ag}(\text{s})$
(واکنش تشکیل آینه‌ی نقره‌ای ضمن اکسایش متانال)

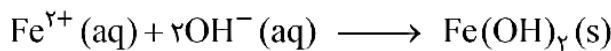
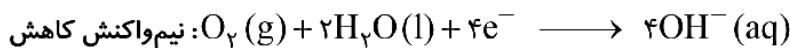
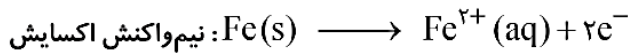
کربوکسیلیک اسید → اکسایش آلدهید

(واکنش انجام نمی شود) X → اکسایش کتون

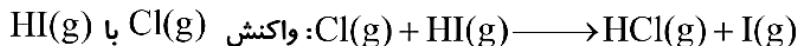
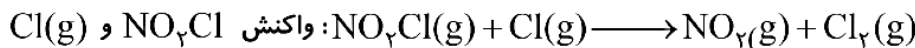
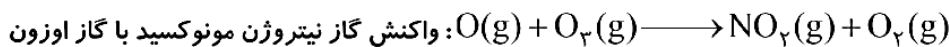
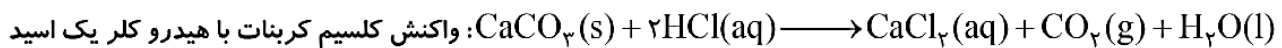
(واکنش انجام نمی شود) X → اکسایش کربوکسیلیک اسید (به جز متانوئیک اسید)

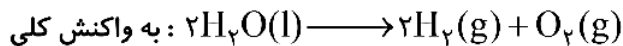
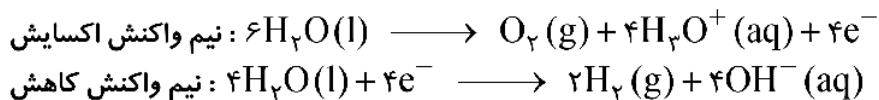


واکنش هلی زنگ‌زدن آهن:

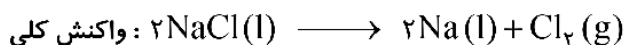
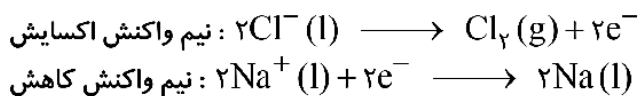


واکنش کله تهیه آلومینیوم به روش هال:

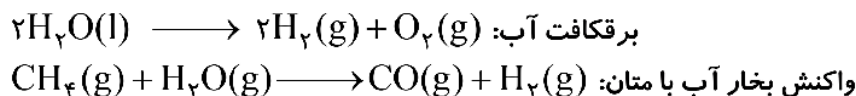




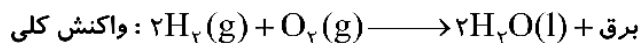
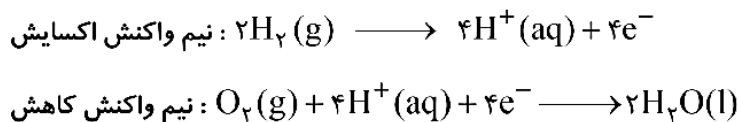
برقکافت سدیم کلرید مذاب در سلول دانز:



تامین هیدروژن مورد نیاز در سلول سوخته:



واکنش های رخ داده در سلول سوخته:



اگر به جای هیدروژن، متان را به سلول سوخته تزریق کنیم واکنش های زیر رخ می دهد:

