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| Обратите внимание на реакции: |
| Na₂O₂ + SO₂ = Na₂SO₄Н₂O₂ + SO₂ = Н₂SO₄Na₂O₂ + СО2 =Na2СO3 + O2 | I2+Na2S2O3→ I2 + Na2S4O6Na2S2O3+ Н₂SO₄ = Na₂SO₄+ S + SO2 + H2O Na2SO3+ S  Na2S2O3 |
| SO2 + Br2 + 2H2O = H2SO4 + 2HBrSO2 + NO2 = SO3 + NO  | BaSO4 + 4C  BaS + 4CONa2SO4 + 4C  Na2S + 4CO |
| I₂ + H₂S = 2HI + SСI₂ + Na₂S = 2 NaСI + S | 2K2CrO4+ 3H₂S+ 2H2O =2Cr(OH)3 +3S+ 4 KOH2K2CrO4+ 16HCl =2CrCl3 +3Cl2 +4NaCl +8H2O |
| 2FeCl₃ + 3Na₂S = 2FeS + S + 6NaCl2FeCl₃ + 2HI = 2FeCl2 + I2 + 2HCl | Ca3(PO4)2 +5C + 3SiO2 3CaSiO3 +2P + 5COP4+ 3KOH +3H2O 3KH2PO2 + PH3 |
| 2CrCl3 + 3K2СО3 +3H2O →2Cr(OH)3+ 3СО2↑+ 6KCl2Fe(NO3)3 + 3K2СО3 +3H2O →2Fe(OH)3+ 3СО2↑+ 6KNO3Al2(SO4)3+3K2СО3 +3H2O →2Al(OH)3+ 3СО2↑+ 3K2SO4Fe2О3 + Nа2СО3 →2NаFeО2+ СО2↑Al2O3 + Na2CO3 2NaAlO2 + CO2Na2CO3 + NH4Cl = CO2+2NH3+2NaCl+ H2O | CuSO4 +Cu +2NaCl = 2CuCl↓ + Na2SO43CuO + 2NН3 = 3Cu + N2+ 3H2O$$Cu+2FeCl\_{3}\rightarrow CuCl\_{2}+2FeCl\_{2}$$4Cu +NO₂ = 4CuO+N₂ |
| CaSO3 + H2O + SO2 = Ca(HSO3)2Ca(HSO3)2 + NaOH = CaSO3 + Na2SO3 + 2H2O | 2NаFeО2+3NаNО3+2NаОН → 2Nа2FeО4 +2NаNО2+ Н2О2Fe(ОH)3+3Br2+10NаОН → 2Nа2FeО4 +6NаBr + 8Н2О |
| 2Na₂HPO₄  Na₄P₂O₇ + H₂O   H3PO4+3NH3= NH4H2PO4+ (NH4) 2HPO4 Аммофос (удобрение) | KCl(нас.) + H2SO4(конц.)=HCl + KHSO42KBr(нас.) + 2H2SO4(конц.)=Br2+ SO2+ K2SO4 + 2H2O8KI(нас.) + 5H2SO4(конц.)=4I2 + H2S + 4K2SO4 + 4H2O |
| 2[Ag(NН3)2]OH+ 5H₂S →AgS+ 4NH4HS+ 2H2O2Nа2[Zn(OH)4]+ CO2→Na2СО3 + Zn(OH)2 + H2ONa2B4O7 + 2 HCl + 5 H2O → 4 H3BO3 + 2 NaCl  | $$3SiH\_{4}+8KMnO\_{4}\rightarrow 8MnO\_{2}\downright +3SiO\_{2}\downright +8KOH+2H\_{2}O$$NaNО3 + 4Zn + 7NaOH + 6Н2O → NН3 + 4Nа2[Zn(OH)4]2Nа2[Al(OH)4] + СI₂ → 2Al(OH)3 + NaClO+ NaCl + H2O |