Precipitation Net Ionics Practice Solutions

(All solutions and Ions are aqueous)

1. CuCl2 + Na2S 🡪 CuS (s) + NaCl

Cu+2 + Cl-1 + Na+ + S-2 🡪 CuS (s) + Na+ + Cl-1

Cu+2 + S-2 🡪 CuS (s)

1. NaOH + Pb(NO3)2 🡪 NaNO3 + Pb(OH)2 (s)

Na+ + OH-1 + Pb+2 + NO3-1 🡪 Na+ + NO3-1 + Pb(OH)2(s)

Pb+2 + 2OH-1 🡪 Pb(OH)2(s)

1. BaCl2 + Na2CO3 🡪 BaCO3 (s) + NaCl

Ba+2 + Cl-1 + Na+ + CO3-2 🡪 BaCO3 (s) + Na+ + Cl-1

Ba+2 + CO3-2 🡪 BaCO3 (s)

1. Ba(NO3)2+ KF 🡪 BaF2 + KNO3

Ba+2 + NO3-1 + K+ + F-1 🡪 BaF2 (s) + K+ + NO3-1

Ba+2 + 2F-1 🡪 BaF2 (s)

1. SrCl2 + Na2CO3 🡪 SrCO3 (s) + NaCl

Sr+2 + Cl-1 + Na+ + CO3-2 🡪 SrCO3 (s) + Na+ + Cl-1

Sr+2 + CO3-2 🡪 SrCO3 (s)

1. NiCl2 + NaOH 🡪 Ni(OH)2(s) + NaCl

Ni+2 + Cl-1 + Na+ + OH-1 🡪 Ni(OH)2 (s) + Na+ + Cl-1

Ni+2 + 2OH-1 🡪 Ni(OH)2 (s)

1. H2S (g) + HgCl2 🡪 HCl + HgS (s)

H2S(g) + Hg+2 + Cl-1 🡪 H+ + Cl-1 + HgS (s)

H2S (g) + Hg+2 🡪 H+ + HgS (s)

1. MnSO4 + (NH4)2S 🡪 MnS (s) + (NH4)2SO4

Mn+2 + SO4-2 + NH4+1 + S-2 🡪 MnS (s) + NH4+1 + SO4-2

Mn+2 + S-2 🡪 MnS (s)

1. NaOH + Mg(NO3)2🡪 NaNO3 + Mg(OH)2(s)

Na+ + OH-1 + Mg+2 + NO3-1 🡪 Na+ + NO3-1 + Mg(OH)2 (s)

Mg+2 + 2OH-1 🡪 Mg(OH)2 (s)

1. CuSO4+ Ba(OH)2 🡪 BaSO4 (s) + Cu(OH)2 (s)

Cu+2 + SO4-2 + Ba+2 + OH-1 🡪 BaSO4 (s) + Cu(OH)2 (s)

1. (NH4)2CO3(s) + Ba(OH)2 🡪 BaCO3 (s) + NH4OH

(NH4)2CO3(s) + Ba+2 + OH-1 🡪 BaCO3 + NH4+1 + OH-1

(NH4)2CO3(s) + Ba+2 🡪 BaCO3(s) + NH4+1

1. K3PO4+ Zn(NO3)2 🡪 KNO3 + Zn3(PO4)2 (s)

K+ + PO4-3 + Zn+2 + NO3-1 🡪 K+ + NO3-1 + Zn3(PO4)2 (s)

3Zn+2 + 2PO4-3 🡪 Zn3(PO4)2 (s)

1. AgNO3 + LiBr 🡪 AgBr (s) + LiNO3

Ag+ + NO3-1 + Li+ + Br-1🡪 AgBr (s) + Li+ + NO3-1

Ag+ + Br-1 🡪 AgBr (s)