**Chem 1013: mini-quiz # 22: Basic Acid- Base reaction behavior A**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Complete the reactions below (and make sure the reactions balance !):

HCl(aq) + KOH(aq) 🡪 KCl (aq) + H2O

H2SO4(aq) + Ca(OH)2(aq) 🡪 CaSO4 + 2H2O

**\_2\_**HNO3(aq) + Mg(OH)2(aq) 🡪 Mg(NO3)2(aq) + 2H2O

(needs a coefficient) make sure to balance the last one here

In general, an acid + base reactions to form a(n) : \_\_salt\_\_\_\_\_\_\_ + \_\_\_\_\_\_water\_\_\_\_\_\_\_\_\_\_\_

Circle the acids in the list below:

NaCl HBr Mg(OH)2 KBr H2O

**Chem 1013: mini-quiz # 22: Basic Acid- Base reaction behavior B**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Complete the reactions below (and make sure the reactions balance !):

HF(aq) + LiOH(aq) 🡪 LiF(aq) + H2O

H2SO4(aq) + Mg(OH)2(aq) 🡪 MgSO4(s) + 2H2O

\_\_HBr(aq) + Mg(OH)2(aq) 🡪 MgBr2(aq) + 2H2O

(needs a coefficient) make sure to balance the last one here

In general, an acid + base reactions to form a(n) : \_\_\_salt\_\_\_\_\_\_\_ + \_ water\_\_\_\_\_\_\_\_\_\_\_

Circle the acids in the list below:

NaCl HBr Mg(OH)2 KBr H2O