**HomeWork 10**

**Due Friday 10/23/15**

**Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_/5**

**1) Circle all the Bronsted Bases in the list below**

**HF NaOH Na2CO3 HNO3**

**2) What kind of reaction is the one written below ?**

 **PO43- + H-OH 🡪 HPO42- + OH‑**

 **hydrolysis**

**3) What kind of reaction is:**

 **Pb(NO3)2(aq) + 2KI(aq) 🡪 PbI2(s) + 2KNO3(aq)**

 **Metatheses reaction (double replacement)**

**4) What class of reactions produces heat, bubbles but no**

 **precipitates and often causes indicators to change colors?**

 **Acid-base**

**5) Name two characteristics typical of double replacement**

 **(metatheses) reactions.**

 **Low energy**

**Precipitates form**

**Ionic aqueous reagents are reactants**