

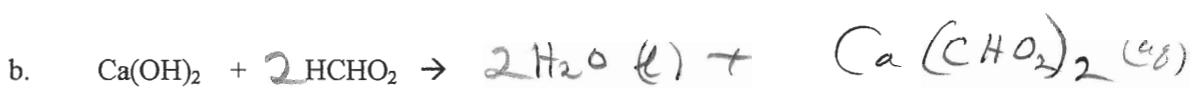
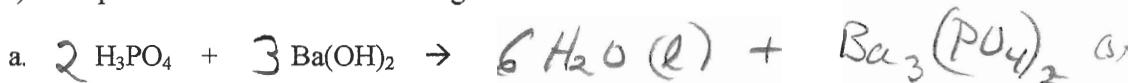
1. (6 Pts) Give the correct name and formula for 3 strong acids and three strong bases.

Acids

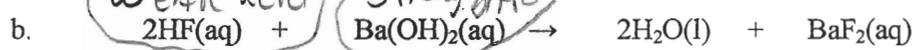
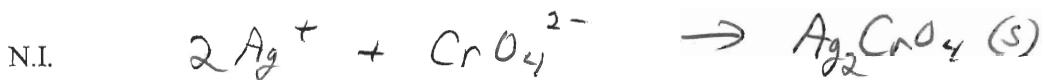
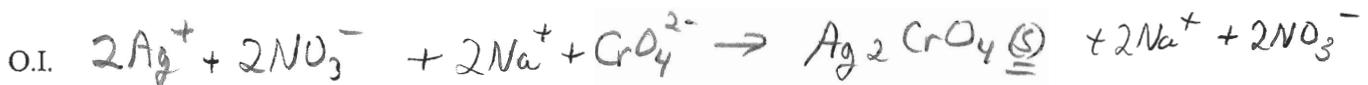
see book or notes

LiOHNaOHKOH

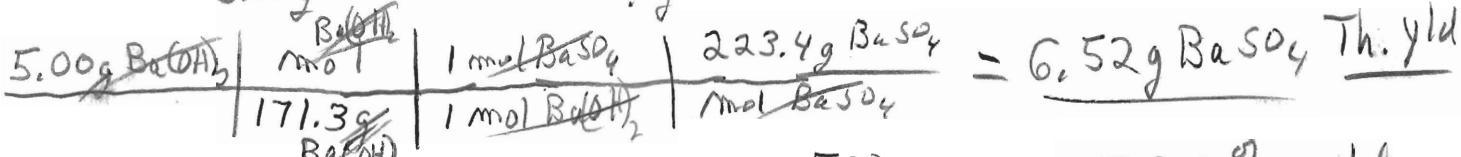
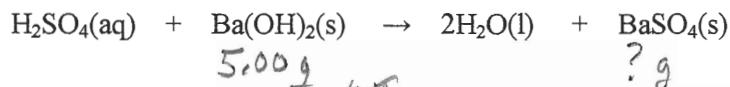
2. (4 Pts) Complete and balance the following reactions:



3. (8 ts) Give the overall ionic (O.I.) and the net ionic (N.I.) equation for the following reactions



4. (7 Pts) An excess of sulfuric acid (molar mass = 98.08 g/mol) was combined with 5.00 g of barium hydroxide (molar mass = 171.3 g/mol). If 5.20 g of barium sulfate (molar mass = 223.4 g/mol) was recovered, determine both the theoretical yield and percent yield. SHOW ALL WORK TO RECEIVE CREDIT.



$$\frac{5.20}{6.52} \times 100 = 79.8\% \text{ yld}$$

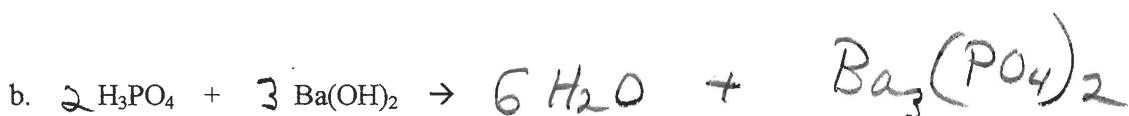
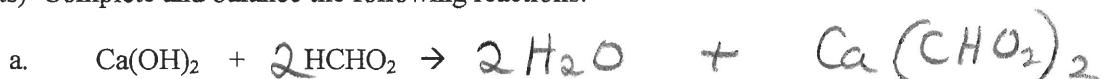
1. (6 Pts) Give the correct name and formula for 3 strong acids and three strong bases.

Bases

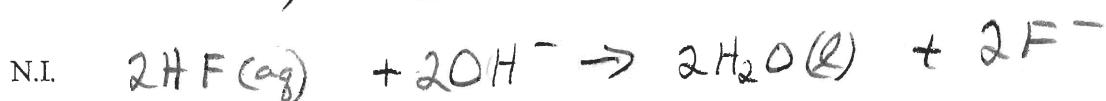
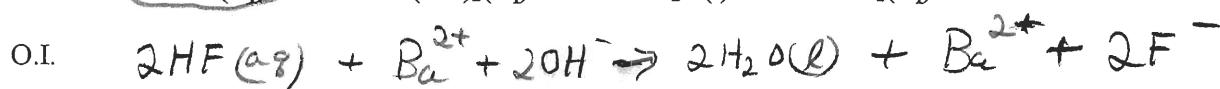
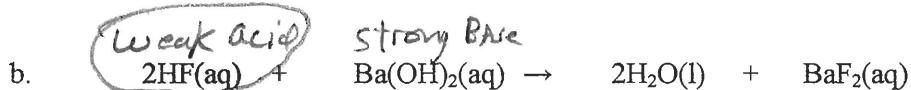
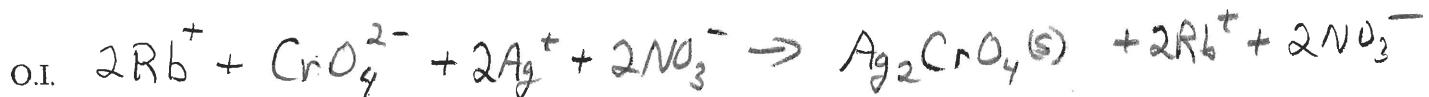
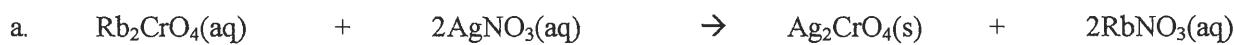
See book or notes

Acids

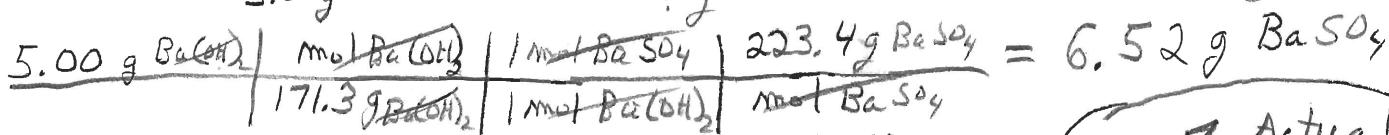
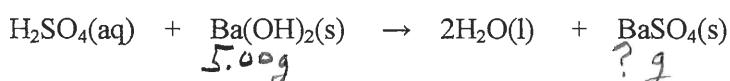
2. (4 Pts) Complete and balance the following reactions:



3. (8 ts) Give the overall ionic (O.I.) and the net ionic (N.I.) equation for the following reactions



4. (7 Pts) An excess of sulfuric acid (molar mass = 98.08 g/mol) was combined with 5.00 g of barium hydroxide (molar mass = 171.3 g/mol). If 4.70 g of barium sulfate (molar mass = 223.4 g/mol) was recovered, determine both the theoretical yield and percent yield. SHOW ALL WORK TO RECEIVE CREDIT.



$\frac{4.70}{6.52} \times 100 = 72.1\%$ Actual Yield