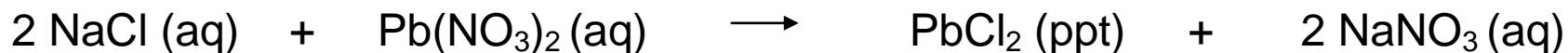
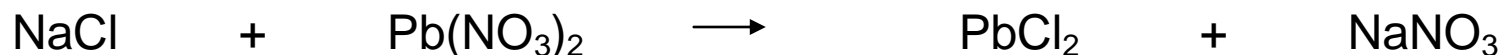


Chemistry: *Chemical Word Equations*

Directions: Write a balanced chemical equation for each of the word equations below.

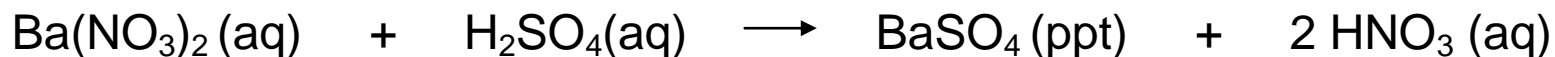
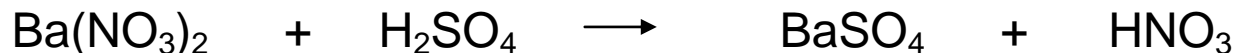
1. aqueous sodium chloride reacts with aqueous lead (II) nitrate to yield a lead (II) chloride precipitate and aqueous sodium nitrate

sodium chloride + lead (II) nitrate \longrightarrow lead (II) chloride + sodium nitrate



2. aqueous barium nitrate reacts with sulfuric acid [$\text{H}_2\text{SO}_4\text{(aq)}$] to yield a barium sulfate precipitate and nitric acid [$\text{HNO}_3\text{(aq)}$]

barium nitrate + sulfuric acid \longrightarrow barium sulfate + nitric acid



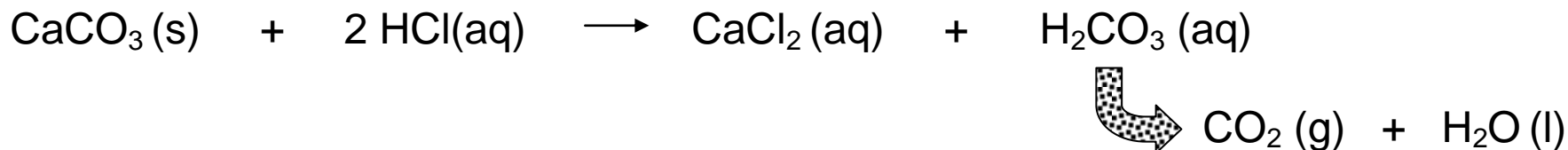
3. silver nitrate reacts in solution with potassium chromate to yield a silver chromate precipitate and soluble potassium nitrate

silver nitrate + potassium chromate \longrightarrow silver chromate + potassium nitrate



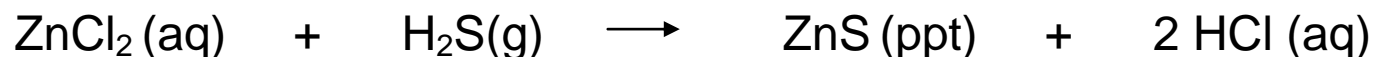
4. solid calcium carbonate reacts with hydrochloric acid [HCl(aq)] to yield aqueous calcium chloride, carbon dioxide gas, and liquid water

calcium carbonate + hydrochloric acid \longrightarrow calcium chloride + carbon dioxide + water



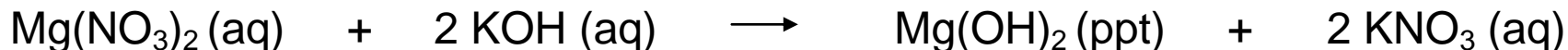
5. aqueous zinc chloride reacts with dihydrogen monosulfide gas to yield a zinc sulfide precipitate and hydrochloric acid

zinc chloride + dihydrogen monosulfide \longrightarrow zinc sulfide + hydrochloric acid



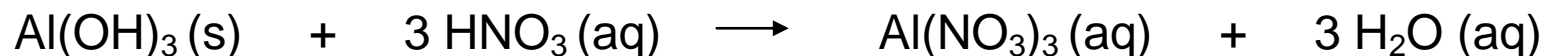
6. magnesium nitrate reacts in solution with potassium hydroxide to yield a magnesium hydroxide precipitate and soluble potassium nitrate

magnesium nitrate + potassium hydroxide \longrightarrow magnesium hydroxide + potassium nitrate



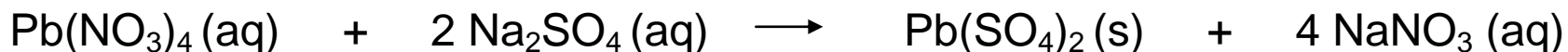
7. solid aluminum hydroxide reacts with nitric acid to yield soluble aluminum nitrate and liquid water

aluminum hydroxide + nitric acid \longrightarrow aluminum nitrate + water



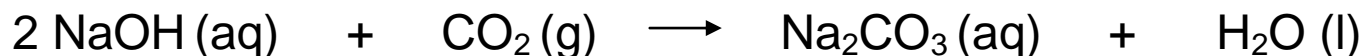
8. aqueous lead (IV) nitrate reacts with aqueous sodium sulfate to yield a lead (IV) sulfate precipitate and soluble sodium nitrate

lead (IV) nitrate + sodium sulfate \longrightarrow lead(IV) sulfate + sodium nitrate



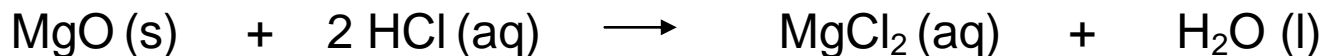
9. aqueous sodium hydroxide reacts with carbon dioxide gas to yield soluble sodium carbonate and liquid water

sodium hydroxide + carbon dioxide \longrightarrow sodium carbonate + water



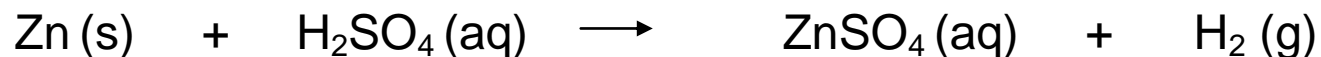
10. solid magnesium oxide reacts with hydrochloric acid to yield a solution of magnesium chloride and liquid water

magnesium oxide + hydrochloric acid \longrightarrow magnesium chloride + water



11. solid zinc metal reacts with sulfuric acid to yield aqueous zinc sulfate and hydrogen gas

zinc + sulfuric acid \longrightarrow zinc sulfate + hydrogen



12. solid ferric oxide reacts with solid aluminum metal to yield solid aluminum oxide and solid iron metal

