

COMPLETING REACTIONS

Name: _____

1. Define the following terms:

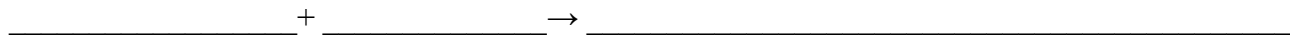
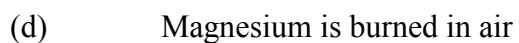
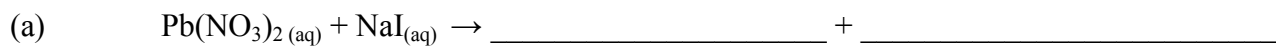
electrolyte: _____

nonelectrolyte: _____

Strong electrolyte: _____

Weak electrolyte: _____

2. Predict the products and **states** of the following metathesis reactions: **Label reaction type**



2. (e) Aluminum metal is reacted with Copper(II) sulfate



(f) Iron reacts with oxygen to form Iron (II) oxide



(g) Hydroiodic acid is neutralized with sodium hydroxide



(h) Calcium chloride is dissolved in water

Dissociation Equation



(i) Hydrochloric acid is reacted with sodium sulfide



3. **Complete the Ionic equations and net ionic equations for the following reactions:**

(a) Hydrochloric acid reacts with magnesium metal

(Ionic) _____

(Net Ionic) _____

(b) Potassium bromide reacts with silver nitrate

(Ionic) _____

(Net Ionic) _____

(c) Hydrogen and Oxygen react to form liquid water

(Ionic) _____

(Net Ionic) _____