## General Chemistry Mr. MacGillivray Quiz #22: Solubility, Precipitates, & Rxn. Prediction

Complete the following equations based on your knowledge of chemical reactions. Be sure to **balance them** also. Note: all of these reactions **do** take place.

 $Mg~(s)~+~O_2~(g)~~\Rightarrow~$ 

(product formed is a solid)

 $Pb(NO_3)_2(aq) + Nal(aq) \Rightarrow$ 

(one solid is formed; the rest of the reactants stay aqueous)

Mg (s) + HCl (aq)  $\Rightarrow$ 

Will the following reactions occur? (That is, will any new products form?) Answer "YES" or "NO Reaction."

Ag (s) +  $Cu(NO_3)_2$  (aq)  $\Rightarrow$  ?

Na (s) +  $Cu(NO_3)_2$  (aq)  $\Rightarrow$  ?

NaNO<sub>3</sub> (aq) + CaCl<sub>2</sub> (aq)  $\Rightarrow$  ?