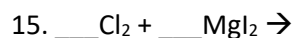
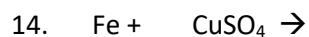
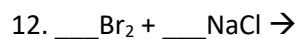
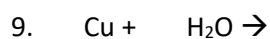
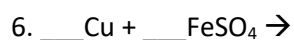
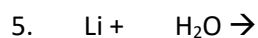
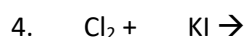
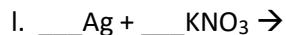


## Single Replacement Reaction Worksheet

Name: \_\_\_\_\_

Using the activity series, evaluate each of these reactions. If a reaction occurs, predict the products and balance the equation. If no reaction occurs, simply write 'No Reaction'. For more help, rewatch Thursday's video.

**TABLE 8-3 Activity Series of the Elements**

Activity of metals		Activity of halogen nonmetals
Li Rb K Ba Sr Ca Na	React with cold H <sub>2</sub> O and acids, replacing hydrogen.	F <sub>2</sub> Cl <sub>2</sub> Br <sub>2</sub> I <sub>2</sub>
Mg Al Mn Zn Cr Fe Cd	React with steam (but not cold water) and acids, replacing hydrogen.	
Co Ni Sn Pb	React with oxygen, forming oxides.	
H <sub>2</sub> Sb Bi Cu Hg	Do not react with water. React with acids, replacing hydrogen.	
Ag Pt Au	React with oxygen, forming oxides.	
	Fairly unreactive, forming oxides only indirectly.	