FLINN SCIENTIFIC

Name_____

Activity Series of the Elements

Data Table

	Mg^{2+}	H^{+}	Cu^{2+}	Pb^{2+}	Ag^{+}	Zn^{2+}
Mg						
Cu						
Zn						
Pb						

Post-Lab Questions

1. What element would you consider to be the most active? Why?

2. What element would you consider to be the least active? Why?

3. Using your data, does copper replace zinc?

4. Using your data, which element is more active, copper or zinc?

5. Which element has the greater tendency to retain electrons, copper or zinc?

6. Which element is more active, copper or hydrogen? Why?

7. Which element has the greater tendency to retain electrons, copper or hydrogen?

8. Write a balanced equation for the reaction that took place between the copper metal and the silver nitrate solution.

9. Write a balanced equation for the reaction that took place between the magnesium metal and the sulfuric acid.

10. Elements that tend to give up electrons most easily are said to be most electropositive. Are there any elements in this experiment which are more electropositive than silver? List them.

11. Using your data, list the elements in their order of activity (most active to the least active).