

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?

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- 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).