

Name: _____

For Teacher Use Only:

Minutes _____

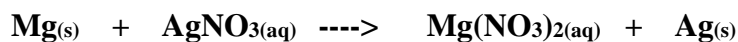
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Lab: Metal Activity & Table J

Lab Credit Sheet

Answer the following questions with thoughtful, detailed answers in complete sentences. Cite specific examples from your observations and results of the lab activity.

1. The solutions you used were all nitrate solutions. For example, the silver ion solution (Ag^{+1}) is really a solution of silver nitrate (AgNO_3). The complete REDOX equation for the reaction between magnesium metal and silver solution is as follows:



a) The nitrate ion is known as a “spectator ion”. Explain why you think this name is appropriate:

b) In the reaction between magnesium and silver solution, what is oxidized? What is reduced?

c) Write oxidation AND reduction half -reaction equations for the reaction between magnesium and silver solution:

d) Write the complete *and balanced* REDOX skeleton equation for *two other* reactions that occurred in your experiment: