

Group Members: _____

Experimental Design

You will be given 5.0 mL of 0.500 M AgNO₃ solution. Design an experiment to recover all of the silver(I) ion from the solution.

Balanced Chemical Reaction:

Calculate the volume (mL) of 0.500 M CaCl₂(aq) OR the mass (g) of Cu(s) needed.

Calculate the theoretical yield in grams of AgCl(s) or of Ag(s).

Outline your procedure.