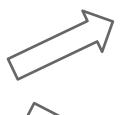
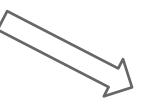
Objectives and background

Objectives

Classical analytical scheme

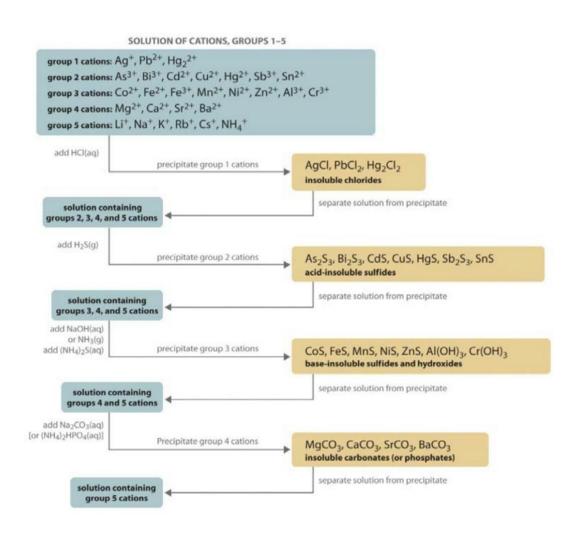


Follow to identify ions in a known mixture



Apply for an unknown mixture

Background



Group 1 cations

$$\operatorname{Ag}^{+}(aq) + \operatorname{Cl}^{-}(aq) \rightarrow \operatorname{AgCl}(s)$$
 $\operatorname{Hg}_{2}^{2+}(aq) + 2\operatorname{Cl}^{-}(aq) \rightarrow \operatorname{Hg}_{2}\operatorname{Cl}_{2}(s)$
 $\operatorname{Pb}^{2+}(aq) + 2\operatorname{Cl}^{-}(aq) \rightarrow \operatorname{PbCl}_{2}(s)$



