























[TP] When aqueous solutions of copper(II) chloride and sodium carbonate are combined, ...

25% 1. no precipitate will form
25% 2. CuCO₃ will precipitate
25% 3. NaCl will precipitate
25% 4. both CuCO₃ and NaCl will precipitate

[Quiz] Some solid sodium carbonate and solid potassium nitrate are placed together into pure water. After thorough stirring and allowing things to settle, ...

25% 1. NaNO₃(s) will have precipitated
25% 2. K₂CO₃(s) will have precipitated
25% 3. Neither Na₂CO₃ and nor KNO₃ will dissolve, and so will have settled as solids to the bottom of the solution
25% 4. Everything will dissolve, no precipitate will form, and so the solution will be clear

Concentrations before and after precipitation

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A comprehensive example

You are given 150 mL of a 0.20 M aqueous solution of ammonium carbonate and 150 mL of 0.40 M aqueous solution of barium iodide. $(NH_4)_2CO_3(s) \rightarrow 2 \ NH_4^+(aq) + CO_3^{2-}(aq)$ $BaI_2(s) \rightarrow Ba^{2+}(aq) + 2 \ I^-(aq)$



