

Solubility: Effects of pH & Complex Ions

Example One

Which compound should be more soluble in 0.1M HCl?

CaCO₃ or AgCl

Example Two

Which insoluble compound in each pair should be more soluble in nitric acid, HNO₃ than in pure water?

a) PbCl₂ or PbS

b) Ag₂CO₃ or AgI

c) Al(OH)₃ or AgCl