

Predict the formation of precipitates of sparingly soluble substances

Level 3 Credit 2

People credited with this unit standard are able to predict the formation of precipitates of sparingly soluble substances.

- Solubility data for sparingly soluble salts is used to determine K_S values.
- K_S values for sparingly soluble salts is used to determine solubility.
- Calculations involving s and K_S are limited to
 - AB type salts
 - A_2B and AB_2 type salts
- Precipitation is predicted using information on amounts, volume and K_S values.
 - Conversion of mol L^{-1} to g L^{-1} and vice versa
 - Calculation of ionic product
 - Appropriate use of significant figures