

Competition Corner: Solubility Evidence

g11_u04_w16

Original fictional paper data only; no chemical handling, mixing, filtration, or separation procedure is requested.

1. For M_2Y , $K_{sp} = 1.6 \times 10^{-11}$, $Y = .0040$. Find saturated free M. If Y doubles, find the factor change in free M and explain it.
2. Card A has $Q/K = 4$; B has $Q/K = .25$. Predict directions in the stated models and name two claims these comparisons cannot establish.