

Module 10: Chemical Characterization

- “In order to dissolve a 100-nm sized salt crystal in water as rapidly as a 20-nm sized crystal, the stirring speed must be increased by at least five-fold.” Is this statement T/F? State the expressions linking solubility of a particle to its diameter and to the stirring speed in an agitated vessel.
- Show a typical sublimation process thermodynamically. How does particle size affect its sublimation rate?