Bonus Points for Course Evaluation Survey

Practice Problems (Exam 4 Preparation)

**Roasting Process**

Use Cylinder, Ash phase equations

**Vitamin tablet dissolution**

Use reaction equations

Tau = 12 hours

Film Layer Controlled Shrinking Core Model

* Reaction Rate is controlled by mass transfer of reactant A through film layer
* Film mass transfer rate of A is linearly proportional WRT concentration difference

Film layer control, flat plate

Given: Tau, L

If no single resistance is dominant, calculate each tau individually and then determine which is largest.

With enzymatic reactions, in taurxn the kCAg is the MM kinetics (VC/K+C)

Porous Catalyst Model