

CE 329 Fall 2015
Assignment 10 Self-Assessment Survey

All but the final question are true/false

1. I had difficulty identifying the overall reaction.
2. I had difficulty identifying the stable species and the reactive intermediates.
3. I had difficulty writing an expression for the rate of the overall reaction with respect to a stable reactant or product.
4. I failed to eliminate the concentration of one or more reactive intermediates from the overall rate expression.
5. I assumed a rate-determining step when it was not permissible to do so.
6. I had difficulty writing the rate expressions for individual steps.
7. I had difficulty writing the Bodenstein steady state approximation equations.
8. I forgot to replace one of the Bodenstein steady state approximation equations with an expression for the conservation of catalytic sites.
9. I had difficulty writing the expression for the conservation of catalytic sites.
10. I had difficulty solving the equations to get expressions for the surface coverages.
11. I had difficulty substituting the expressions for the surface coverages into the overall rate expression.
12. I made one or more minor math errors.
13. I had no difficulty solving this problem.
14. I had other difficulties as follows: