Kinetics Homework.

1. The following data was recorded for the decomposition of ammonia gas into nitrogen gas and hydrogen gas at 1000°C. Determine the rate law of the reaction. Then, assuming no loss of product, determine the concentrations of the products at t=500 sec.

Time, s	$[NH_3]$, M
0	.0256
12	.0247
56	.0216
224	.0131
532	.00519
746	.00273

2. Problem 20.57

3. Problem 20.60.   Report the activation energy of the process.

4. Problem 20.62.