

Tentative Lab Schedule, CHE-371, Fall 2007

Date(s)	Investigation	Report Due
Sept 4-6	Intro to P Chem Lab	N/A
Sept 11-13	Computational Study of Heats of Formation and Combustion of Hydrocarbons	Sept 18-20
Sept 18-20	Spectroscopic and Theoretical Determination of Flame Temperature	Sept 25-27
Sept 25 – Nov 1 (4 weeks)	Bomb Calorimetry and Determination of Resonance Energy of Benzene	1 Week from end of each lab session
	Determination of the Heat of Vaporization of Various Liquids	
	Solution Kinetics of an SN2 Reaction	
	Kinetics of a Diffusion Controlled Reaction as Measured by Fluorescence Spectroscopy	
Oct 2-4	Nobel Conference: No Lab	NA
Oct 23-25	Reading Days: No Lab	NA
Nov 6-15 (2 Weeks)	Computational and Experimental Study of Isomerization in N,N-dimethylacetamide (DMA)	Nov 20 (In class)
Nov 27-Dec 13 (3 Weeks)	Independent Projects	Dec 11-13