

## Point Distribution

<u>Experiment</u>	<u>Report</u>	<u>Product</u>	<u>Unknown</u>
Melting-Point Analysis	2		3
Recrystallization of Acetanilide	2	3	
Simple Distillation of $\alpha$ -Pinene	2	3	
Fractional Distillation of Cyclohexane and Toluene With and Without a Vigreux Column	2		
Acid-Base Extraction of Benzil and Benzoic Acid	2	6	
Thin-Layer Chromatography (TLC)	2		3
Separation of Cholesterol and a Cholesteryl Ester by Column Chromatography	2	6	
Acid-Catalyzed Dehydration of 2-Methylcyclohexanol	2	3	
Stereoselective Reduction of 4- <i>tert</i> -Butylcyclohexanone	2	3	
Infrared (IR) Spectroscopy	8		2
Nuclear Magnetic Resonance (NMR) Spectroscopy	8		2

<u>Category</u>	<u>Maximum Points</u>
Laboratory Notebook: Pre-Lab Preparation	9
Laboratory Notebook: In-Lab Observations	9
Laboratory Notebook: Post-Lab Conclusions	9
Pre-Lab Preparation for IR Experiment	3
Pre-Lab Preparation for NMR Experiment	3
Laboratory Technique	10
Reports	34
Products	24
Unknowns	10
<u>Quizzes</u>	<u>42</u>
Total	153