## Point Distribution

| Experiment | Report | Product | Unknown |
| --- | --- | --- | --- |
| Melting Points. | 2 | | 3 |
| Purification of Acetanilide by Recrystallization. | 2 | 3 | |
| Simple Distillation. Isolation of α-Pinene. | 2 | 3 | |
| Molecular Modeling. Conformational Analysis with ChemDraw and Chem3D. | 2 | | |
| Distillation of Two Volatile Compounds With and Without a Vigreux Column. | 2 | | |
| Separation via Acid-Base Extraction. | 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-*tert*-Butylcyclohexanone. | 2 | 3 | |
| Organic Structure Determination by Spectrometric Techniques. | 4 | | 6 |

| Category | Maximum Points |
| --- | --- |
| Pre-Lab Preparation | 10 |
| Laboratory Notebook | 10 |
| Technique Evaluation | 10 |
| Reports | 24 |
| Products | 24 |
| Unknowns | 12 |
| Quizzes | 40 |
| Total | 130 |