

## Ch 334 Fall 2007 Lab Notebook Scoring Guide

### EXP. 1. Melting/Boiling Points

\_\_\_\_\_ Procedure Details (.5 pt)

\_\_\_\_\_ Results Discussion & Conclusions/Questions (1 pt)

\_\_\_\_\_ Unknown Identities (2 pt)                      Must have unk # listed with the answer and justification for the answer

### EXP 2. Thin Layer Chromatography

\_\_\_\_\_ Procedure Details (.5 pt)

\_\_\_\_\_ R<sub>f</sub> Calculations (.5 pt)

\_\_\_\_\_ Results Discussion & Conclusions/Questions (1 pt)

\_\_\_\_\_ Unknown Identity (1 pt)                      Must have unk # listed with the answer and justification for the answer

### EXP 3. Recrystallization

\_\_\_\_\_ Procedure Details (.5 pt)

\_\_\_\_\_ Calculations Yield (1 pts)

\_\_\_\_\_ Results Discussion & Conclusions/Questions (1pt)

### EXP 4. Extraction

\_\_\_\_\_ Procedure Details (.5 pt)

\_\_\_\_\_ Extraction Flowchart (1pt)

\_\_\_\_\_ Unknown ID (1 pts)                      Must have unk # listed with the answer and justification for the answer

\_\_\_\_\_ Results Discussion & Conclusions/Questions (1pt)

### EXP 5. Simple Distillation

\_\_\_\_\_ Procedure Details (.5 pt)

\_\_\_\_\_ Apparatus Drawing (.5 pt)

\_\_\_\_\_ Graph (1 pt)

### EXP. 6. Fractional Distillation

\_\_\_\_\_ Procedure Details (.5 pt)

\_\_\_\_\_ Apparatus Drawing (.5 pt)

\_\_\_\_\_ Graph (1 pt)

\_\_\_\_\_ Results Discussion & Conclusions/Questions(Simple/ Fractional comparison) (2 pt)

\_\_\_\_\_ Unknown ID (2 pt)                      Must have unk # listed with the answer and justification for the answer

NOTE: Laboratory conclusions are not whether you enjoyed the experiment. They compare your results to that which was expected. They also include any potential explanations for results which did not conform to what was expected. The

Your notebook MUST have a table of contents and the carbon copy pages removed or points will be deducted from your total score.