**Rubric for steam distillation lab notebook grading**

Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_/3 Industry Standard Format followed**

\_\_\_/4 **Intro (Purpose)** Key ideas underlying steam distillation:

0) role of differences in aqueous solubility as criterion for separation

1) expected behavior of distillation- constant boiling at ~100 C and presence of insoluble `baby spit up’ in distillate

2) attempt made to explain the solubility effect in terms of the non-interaction of solute in solvent

\_\_\_/**10 Observations**

\_\_\_distillation apparatus sketched **and** pieces labeled clearly

\_\_\_Brief text on what you did (can be very short). Include any critical details of actual experiment.

(no water cooling since you want distillate not to block up in distillation pathway; appearance of distillate; grams of initial material + used mortar/pestle; when/why did you stop distillation-how do you know to stop ?)

\_\_\_/**8 Results**

\_\_% yield for salicylic acid

\_\_% yield for napthalene

\_\_ mp range for salicylic acid

\_\_\_ mp range for napthalene

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