

L2: Unknown Physical Properties and Classification

Name: _____

lab section: 2 / 3

Unknown #: _____

- Solid
 Liquid

Was Purification Necessary? Yes / No

If so, what method was used to purify the unknown? _____

Corrected melting/boiling point (range): _____ — _____

Solubility Class: (circle one) **S_n** **S_a** **S_b** **B** **A₁** **A₂** **N** **X**

Classification Tests Performed (follow each test number with a “+” for positive, “-“ for negative, or “?” for inconclusive):

Other information used:

Conclusion: The functional group of my compound is _____.
(This answer will be confirmed before you move on to make a derivative.)

Most Likely Identities for This Unknown (This answer will be confirmed after L3.)

- 1.
- 2.
- 3.
4. (only liquids)
5. (only liquids)

By turning this in, I certify that I have not used any information other than that listed above.