

Name _____

Section _____

Lab Instructor _____

Date _____

EXPERIMENT 4 The Determination of Boiling Point

PRE-LABORATORY QUESTIONS

1. Why is a *mixture* of ice and water, rather than ice alone, used in calibrating a thermometer?

2. Why does the boiling point of a liquid vary with the *barometric pressure*?

3. Using a handbook of chemical data, find the boiling points (at 1 atm) for the following substances:

Acetone _____

Methyl ethyl ketone _____

Methanol _____

Ethanol _____

Reference _____