

Name \_\_\_\_\_ Section \_\_\_\_\_

Partner \_\_\_\_\_

**CHM 115 Lab 7 Report Form**  
Molar Mass and Chemical Formula of a Volatile Liquid

Unknown number \_\_\_\_\_

For all report forms, attach a neat example of each calculation on a separate sheet of paper. Include units and apply significant figure rules correctly.

	Trial 1	Trial 2
Mass of vapor (g)	_____	_____
Volume of flask (L)	_____	_____
Temp. of boiling water ( $^{\circ}\text{C}$ )	_____	_____
Barometric Pressure (atm)	_____	_____
Molar Mass	_____	_____
Average Molar Mass (1)	_____	

Elemental Analysis (list data copied down in lab):

Empirical Formula:

Molecular Formula:

Molar mass based on molecular formula (2) \_\_\_\_\_

Explain the different meanings of Molar Mass (1) and (2).