**Names:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Molar Volume of a Gas**

**Purpose:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Necessary Info:** **You will be performing the experiment at values other than STP!!!!!!**

**Labeled sketch of set up:**

**Observations:**

**Calculations:**

**BCE:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1)** Moles of Magnesium reacted:

**2)** Moles of Gas formed:

**3)** Pressure of the Gas:

**4)** Volume of the gas at STP:

**5)** Molar Volume of the Gas at STP:

**6)** Percent Error: