**Lab – Mass of Magnesium**

Write the reaction for magnesium and hydrochloric acid:

**Data:**

Record air pressure:

Record air temperature:

Record the volume of hydrogen gas produced:

**Calculations:**

Correct air pressure:

Correct for height difference:

Correct air temperature to Kelvin:

Convert volume of hydrogen gas in mL to L

Combined Gas Law:

1. correct volume of hydrogen gas to STP
2. convert L hydrogen gas to grams of Mg (stoichiometry)

Ideal Gas Law:

1. calculate moles of hydrogen
2. convert moles of hydrogen to grams of Mg (stoichiometry)