**Pre-lab quiz: Ideal gas law determination of MW of Mg**

1. What are the hazards of concentrated HCl & Mg?   
 (Find an MSDS for it on the web using Google or another search engine.)

2. What first aid measures should be taken if there is an accident with this acid?

3. What types of metals react easily with strong acids?

4. What gas is always formed when metals are oxidized by strong acids?

5. State the Ideal Gas Law and define each variable.

6. Give 3 different values for the gas constant ‘R’ (units should be different).

1. Which value of R should be used in this lab?

8. State Dalton’s law.

9. How can you avoid the issue of the difference between the height of the column of liquid and the level of liquid in your beaker?

10. Given that you are the world’s most accurate chemist, what should your MW of Mg be?