**Pre-lab quiz: Dumas determination of gas MW**

1. Why are some compounds referred to as volatile? What does that mean?
2. What is the biggest hazard in this lab protocol?
3. What is the definition of an ideal gas?
4. Rearrange the ideal gas law to solve for moles.
5. Did Jean-Baptiste Dumas use the ideal gas law to create the method we are using in today’s lab?
6. Write an equation for that solves for volume using density and mass.
7. Why is it possible to visually see gas leaving the flask? What should you look for?
8. Will the molecular weight of your volatile compound allow you to determine its identity? Have a good look at Table I and justify your answer