

Name _____

Gas Laws Demos

Instructions: In the lab you will find multiple demo stations. At each station there will be instructions. Please document all activities in your notebook under the lab activity heading. ***Your lab grade for today will be based on the calculations in your notebook and 2 graphs generated as part of the data analysis.***

List of lab activities (*please check them off as you complete them*):

___ Diffusion of Gases (instructor demo)

___ “Throwing” air (instructor demo)

___ The Amazing bottle... (instructor demo)

___ Liquid Nitrogen (instructor demo)

___ Boyle’s Law

___ Charles’ Law

___ Ideal Gas Equation

___ Density of Gases

___ Crushing Soda Cans

___ Evacuation – “sucking up a balloon”

___ Methanol Combustion

___ Cartesian Diver