

Boyle's and Charles' Pre Lab

1. What is pressure? What are the units on pressure?
2. What is a vacuum?
3. How do vacuums work?
4. Why does water rise higher than mercury in a vacuum tube?
5. How do straws work?
6. State Boyle's Law and give the mathematical relationship. Show how to derive.
7. State Charles' Law and give the mathematical relationship. Show how to derive.
8. What is absolute zero? What is the conversion from Kelvin to Celsius?

Notebook Pre Lab Exercises:

Write a brief statement of purpose in your notebook.

Copy down any tables you will need, leave room for extra measurements if needed.

Be sure to include units for all of your measurements and the correct number of significant figures.