

Pressure – Topics and Menu

Student Name: _____

Date: _____

Pd: _____

By the end of this unit I will be able to... (teacher developed outcomes)

- Convert between units of pressure.
- Describe the kinetic molecular theory and apply it to gas laws.
- Calculate values of partial pressures using Dalton's Law.

How To Use This Menu:

- Treat this as a checklist: You must do at least one item out of the "How I Will Learn It" and "How I Will Practice It" column for each topic
- Required artifacts will be part of the Pressure Page in your interactive notebook
- See Underneath this table for directions on how to "prove" your work
- After you have Learned and Practiced a topic, then you will write your topic questions:
 - [Using the Question Stems](#) (linked here), develop three questions for each topic that you can ask yourself or peers about the topic.
 - The first question should be DOK 1, the second DOK 2, and the third can be either DOK 3 or 4.
 - If you can answer those questions, you know you have it!

Topic	How I will Learn It:	How I will Practice It:	I will know I have it when... (student developed outcomes)
1. Units Required Artifact: Create Units Foldable (suggested format : 4 flaps, unit abbreviation on outside, conversion)	Units: (atm, mmHg/torr, Pascal and kilopascal, psi) <ul style="list-style-type: none"> <input type="checkbox"/> Digital: ChemTeam article <input type="checkbox"/> Reading: CK-12: Pressure Units and Conversions <input type="checkbox"/> Video: The Science Classroom: Gas Pressure and 	Units: <ul style="list-style-type: none"> <input type="checkbox"/> Pressure Conversions WS <input type="checkbox"/> Online Adaptive Quiz 	My 3 questions and answers for Units: <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

<p>factor to atm on inside with information about name and usage)</p>	<p>Converting Units of Pressure</p> <ul style="list-style-type: none"> <input type="checkbox"/> Research: create a pressure units flow chart, complete with conversion factors 		
<p>2. Kinetic Molecular Theory</p> <p>Required artifact: Illustrate and label a drawing with all parts of the KMT</p>	<p>Kinetic Molecular Theory:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Research: synthesize a summary of the KMT after reviewing 3 online sources <input type="checkbox"/> Digital: Ted ED Lesson – Describing the Invisible Properties of Gases <input type="checkbox"/> Video: Guillotined Chemistry – Gases: Kinetic Molecular Theory 	<p>Kinetic Molecular Theory:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Research an application to every part of the KMT and make a table <input type="checkbox"/> Science Geek Quiz 	<p>My 3 questions and answers for Kinetic Molecular Theory:</p> <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<p>3. Dalton's Law of Partial Pressure</p> <p>Required artifact: Hands-on: Diagram to color in and label with definitions and equation</p>	<p>Dalton's Law of Partial Pressure:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Video: Guillotined Chemistry – Gases: Dalton's Law of Partial Pressure <input type="checkbox"/> Digital: Kent Chemistry: Dalton's Law of Partial Pressure 	<p>Dalton's Law of Partial Pressure:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Dalton's Law of Partial Pressure WS (attached in Google Classroom) <input type="checkbox"/> Ck-12 Quiz 	<p>My 3 questions and answers for Dalton's Law of Partial Pressure:</p> <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

What you Need to Turn In:

- Fill in this form, highlighting the options you have chosen to do in each section

- Paste a photo of your interactive notebook page below
- For all work, either attach it on Google Classroom if it's a separate file, or take a screenshot/photo of your work or results and paste them in below with a description telling me which item off the menu it is
- Make sure you have filled in the student developed questions in the third column and answered each of them.
- Submit this form to Google Classroom

Photo of my complete notebook page:

Digital Evidence: