

## Westside High School Lesson Plan

Teacher Name:	Reynaldo Leija	Unit Name and #:	Gas Laws
Course:	Chemistry I	Dates:	03/31/20 – 04/03/20

<b>Tuesday (3<sup>rd</sup> and 5<sup>th</sup>)</b>	<p><b><u>Daily Objective/Standard:</u></b></p> <ul style="list-style-type: none"> <li>❖ We will be able to perform stoichiometric calculations including determination of mass and <b>gas volume</b> relationships between reactants and products and percent yield</li> <li>❖ We will describe and calculate relations between volume, pressure, number of moles, and temperature for an ideal gas as described by Boyle’s law, Charles’ law, Avogadro’s law and the ideal gas law</li> <li>❖ We will describe the postulates of the kinetic molecular theory</li> <li>❖ TEKS C.8(G), C.9(A), C.9(B)</li> </ul>
	<p><b><u>Agenda:</u></b></p> <ul style="list-style-type: none"> <li>▪ Class meeting check in: Tuesday: 11:00 a.m. (3<sup>rd</sup>) &amp; 1:00 p.m. for (5<sup>th</sup>)</li> <li>▪ Discussion on the 5<sup>th</sup> six weeks grades and where assignments will be located.</li> <li>▪ Q &amp; A session about expectations</li> <li>▪ Power point lecture with teacher explanation: Gases: Day 1 (Pre-recorded, located on Microsoft Teams app under files)</li> <li>▪ This power point will cover pressure and temperature conversions.</li> </ul>
	<p><b><u>CFU/Assessments</u></b></p> <ul style="list-style-type: none"> <li>🚩 GA (OL) 40a – Temperature conversions (14 questions) <b>3<sup>RD</sup> PERIOD</b></li> <li>🚩 GA (OL) 41a – Pressure conversions (12 questions) <b>3<sup>RD</sup> PERIOD</b></li> <li>🚩 GA (OL) 42 – Temperature conversions (14 questions) <b>5<sup>TH</sup> PERIOD</b></li> <li>🚩 GA (OL) 43 – Pressure conversions (12 questions) <b>5<sup>TH</sup> PERIOD</b></li> </ul>
	<p><b><u>Materials:</u></b></p> <ul style="list-style-type: none"> <li>• Computer</li> <li>• Calculator</li> </ul>
	<p><b><u>Follow Up/HW:</u></b></p> <ul style="list-style-type: none"> <li>○ 3<sup>rd</sup> period: Complete GA (OL) 40a and 41a by Thursday, April 2, 2020.</li> <li>○ 5<sup>th</sup> period: Complete GA (OL) 42 and 43 by Thursday, April 2, 2020.</li> </ul>

Wednesday (3<sup>rd</sup> & 5<sup>th</sup>)

**Daily Objective/Standard:**

- ❖ We will be able to perform stoichiometric calculations including determination of mass and **gas volume** relationships between reactants and products and percent yield
- ❖ We will describe and calculate relations between volume, pressure, number of moles, and temperature for an ideal gas as described by Boyle's law, Charles' law, Avogadro's law and the ideal gas law
- ❖ We will describe the postulates of the kinetic molecular theory
- ❖ TEKS C.8(G), C.9(A), C.9(B)

**Agenda:**

- Class Meeting: Wednesday: 11:00 a.m. (3<sup>rd</sup>) & 1:00 p.m. for (5<sup>th</sup>)
- Meeting will be for those who need help with the online assignments

**CFU/Assessments**

- ✚ GA (OL) 40a – Temperature conversions (14 questions) **3<sup>RD</sup> PERIOD**
- ✚ GA (OL) 41a – Pressure conversions (12 questions) **3<sup>RD</sup> PERIOD**
- ✚ GA (OL) 42 – Temperature conversions (14 questions) **5<sup>TH</sup> PERIOD**
- ✚ GA (OL) 43 – Pressure conversions (12 questions) **5<sup>TH</sup> PERIOD**

**Materials:**

- Computer
- Calculator

**Follow Up/HW:**

- 3<sup>rd</sup> period: Complete GA (OL) 40a and 41a by Thursday, April 2, 2020.
- 5<sup>th</sup> period: Complete GA (OL) 42 and 43 by Thursday, April 2, 2020.

Thursday (2<sup>nd</sup> & 4<sup>th</sup>)

**Daily Objective/Standard:**

- ❖ We will be able to perform stoichiometric calculations including determination of mass and **gas volume** relationships between reactants and products and percent yield
- ❖ We will describe and calculate relations between volume, pressure, number of moles, and temperature for an ideal gas as described by Boyle's law, Charles' law, Avogadro's law and the ideal gas law
- ❖ We will describe the postulates of the kinetic molecular theory
- ❖ TEKS C.8(G), C.9(A), C.9(B)

**Agenda:**

- Class meeting check in: Thursday: 9:30 a.m. (2<sup>nd</sup>) & 11:00 p.m. for (4<sup>th</sup>)
- Discussion on the 5<sup>th</sup> six weeks grades and where assignments will be located
- Q & A session about expectations
- Power point lecture with teacher explanation: Gases: Day 1 (Pre-recorded, located on Microsoft Teams app under files)
- This power point will cover pressure and temperature conversions.

<b>Friday (2<sup>nd</sup> &amp; 4<sup>th</sup>)</b>	<p><b><u>CFU/Assessments</u></b></p> <ul style="list-style-type: none"> <li>✚ GA (OL) 40a – Temperature conversions (14 questions) <b>2<sup>ND</sup> PERIOD</b></li> <li>✚ GA (OL) 41a – Pressure conversions (12 questions) <b>2<sup>ND</sup> PERIOD</b></li> <li>✚ GA (OL) 42 – Temperature conversions (14 questions) <b>4<sup>TH</sup> PERIOD</b></li> <li>✚ GA (OL) 43 – Pressure conversions (12 questions) <b>4<sup>TH</sup> PERIOD</b></li> </ul>
	<p><b><u>Materials:</u></b></p> <ul style="list-style-type: none"> <li>• Computer</li> <li>• Calculator</li> </ul>
	<p><b><u>Follow Up/HW:</u></b></p> <ul style="list-style-type: none"> <li>○ 2<sup>nd</sup> period: Complete GA (OL) 40a and 41a by Monday, April 6, 2020.</li> <li>○ 4<sup>th</sup> period: Complete GA (OL) 42 and 43 by Monday, April 6, 2020.</li> </ul>
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