

Chemistry 20	Unit 2
Lesson 5 - Combined Gas Law	84 mins

### Charles' Law (Solving for Temp)

<p>Ex. QUESTION 4) If 17.50 mL of argon gas at -12.50 °C becomes 20.00 mL, calculate its final temperature in Celsius.</p> <p><b>CLASS TO SOLVE ON THE BOARD</b></p>	<p>Ex. Question 7) Carbon dioxide produced by yeast in bread dough causes the dough to rise, even before it is baked. During baking, the carbon dioxide gas expands. Predict the what was the initial temperature of 0.15 L of carbon dioxide in bread dough that is heated from to 145.0 °C at constant pressure and expands to 40 L.</p>
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### Balloon/Pop Bottle and Hot Cold DEMO

### Guy Lussac's Law

<ul style="list-style-type: none"> <li>- As temperature increases, pressure increases</li> <li>- Car Tires... winter</li> <li>- Steam Engine</li> <li>- Soccer Ball in your Trunk</li> </ul>	$\frac{P_1}{T_1} = \frac{P_2}{T_2} \text{ OR } P_1 T_2 = P_2 T_1$
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