

Gas Cramsheet

1. What does the kinetic molecular theory of gases state? (p. 115-116)
2. What does temperature measure? What units are used for measuring the temperature of gases?
3. Aside from temperature, what are the other measurable quantities of gases? (Hint: they are present in the gas law equations)
4. Fill in the following table:

Name of Law	Formula	Relates
Boyle's	$P_1V_1 = P_2V_2$	Pressure and Volume
Charles's		
Gay-Lussac's		
Combined		
Ideal		
Dalton's		
Graham's		

5. What is STP and what are its values?
6. How many liters does a mole of gas take up at STP (you had to memorize this, remember?)?
7. Complete the following problems on a separate sheet of paper:
p. 125 #4, 6, 10, 12, p. 126 #19, 20