

Phases HW #1 GASES
 Gases, read pages 267 to 272

name: _____



define in your own words, use examples if possible	
gas pressure	
vacuum	
atmospheric pressure	
barometer	
kilo-Pascal	

Problems: solve on loose leaf paper

- 1 A gas is at the pressure of 1.25 atm. What is that pressure in kpa?
- 2 How many mm Hg is the pressure of 1.25 atm equal to?
- 3 On top of Mount Everest the air pressure is about 0.70 atm. How many kpa is 0.70 atm?
- 4 0.70 atm converted to mm Hg is equal to what?
- 5 What are the temperature and pressure of STP?
- 6 Express the temperature of STP in Kelvin.
- 7 Express the pressure of STP in mm Hg and in kpa.
- 8 What is so significant about the temperature 0 Kelvin?
- 9 Why does spaghetti take longer to cook at my sister-in-law Donna's house which is in Boulder, Colorado?
(hint: 5,400 feet above sea level)
- 10 There is no question ten

answers here	
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