

Unit 9F Practice Problems III Gas Laws

Name:

Date:

I	. Questions:			
1.	What is standard temperature?	°C or	K	
2.	What is standard pressure?	atm or	kPa or	mm Hg
3.	What is another unit equivalent in meaning	to mm Hg?		_
4.	What variable is held constant in Charles's	Law?		_
	If A and B are inversely related and we double A, what happens to the value of B?			
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			der e mreseure et COO O r	ner He What will be the
/.	A quantity of gas has a volume of 400.0 mL when confined under a pressure of 600.0 mm Hg. What will new volume of the gas if the pressure is reduced to 200.0 mm Hg at constant temperature?			
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8.	Under a pressure of 1.0 atm, a confined ga		-	erature, the pressure is
	increased until the gas has a volume of 61	0 mL. What is the n	ew pressure?	
9.	A quantity of gas has a volume of 200.0 ml	L at a temperature (of -4.0 °C. If the tempera	ture of the gas is raised
	to 26.0 °C at constant pressure, what volume			-