Direct	Mixed Gas tions: 1) Identify each number with P, V 2) State whose law you are using		<u>"Standard" or "STP"</u> P = 1 atm
	3) Show the equation,	,	$T = 0^{\circ}C (273K)$
	4) Solve the problem,5) Put your answer in the box and	l make sure you don't forget your	units!!!
	The gas in a sealed can is at a pressur	e of 3.00 atm at 25°C. A warni	ng on the can tells the user n
	to store the can in a place where the te the can be at 52°C?	emperature will exceed 52°C. V	What would the gas pressure
	P, V or T values	Law	Equation
1	Work:		Answer
	A sample of hydrogen exerts a pressu	re of 0.329 atm at 47° C . The g	as is heated 77° C at constant
	volume. What will its new pressure b P, V or T values		Equation
	r, v or i values	Law	Equation
2	Work:		Answer
	A sample of neon gas occupies a volum standard temperature if the pressure		olume will the gas occupy at
	P, V or T values	Law	Equation
3	Work:		Answer
	A sample of oxygen gas has a volume increased to standard pressure and th volume be?	e temperature remains constan	it, what will the new gas
4	P, V or T values	Law	Equation
-	Work:		Answer

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	nged to 3.15 liters, what would be the n P, V or T values	Law	Equation	
			•	
Wo	rk:		Answer	
= -				
	6 liters of nitrogen gas are at -25°C and atm?	733 mm Hg. What would	be the volume at 128°C and	
	P, V or T values	Law	Equation	
Wo	n).		Answer	
	IA.		Answer	
A s	A sample of oxygen gas occupies a volume of 85 mL at 35°C. What volume will the gas occupy at			
star	idard temperature if the pressure rema P, V or T values	ins constant? Law	Equation	
	r, v or i values	Law	Equation	
Wo	rk:		Answer	
	At constant temperature, 2 L of a gas at 4 atm of pressure is expanded to 6 L. What is the new pressure?			
_	P, V or T values	Law	Equation	
W.			A	
Wo	rk:		Answer	

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