Cornell Notes	Topic/Objective: Charles' & Gay-	Ussac's Name:
	Law	Class/Period: Chemistry
Decades of College Dreams		Date:
Essential Question	on: How can you predict the vol	ume or pressure of a gas sample?
Questions:	Notes:	Volume Versus Temperature
What is the		
relationship		
between volu	ne	(295 K, 10 mL)
and temperat	ure?	
		5
		0 100 200 300 400 500 600-
		Temperature (K)
now can volu	me	
anu temperat	ure	
Ne relateu Mathomatiaa	llv7	
mattematica	Charles' Law Frample	Prohlem
	A case sample at 40.0° C occ	nice a volume of 2321. If the tomnerature is raised to
	75.0° C what will the volum	e be assuming the pressure remains constant?

Questions:	Notes: Pressure Versus Temperature: Helium Gas in a Tank
What is the	150
relationship	125
between pressure	ε ¹⁰⁰
and temperature?	e 75
	50
	0 100 200 300 400 Temperature (K)
How can pressure	
and temperature	
be related	
mathematically?	
	Gay-Lussac's Law Example Problem
	A gas sample at -15.0° C has a pressure of 0.25 atm. If the temperature is raised to
	155.0° C, what will the new temperature be, assuming the volume remains constant?
Summary:	