A sample of nitrogen gas (N ₂ moles?) has 1.70 moles and occup	ies 3.80 L. What volume will it occupy with
List Givens	Formula	Givens plugged into Formula:
	9 9 979 7799	
NSWER WITH CORRECT UNIT	S & SIG FIGS:	
		rogen (N_2) has a total pressure of 0.97-atm.
the partial pressure of O_2 , if the List Givens	P_{CO2} is 0.70-atm and P_{N2}	Givens plugged into Formula:
LIST SIVERIS	Torrida	Civono piaggoa into i cimala.
NSWER WITH CORRECT UNITS (& SIG FIGS:	
NSWER WITH CORRECT UNITS (& SIG FIGS:	
NSWER WITH CORRECT UNITS	& SIG FIGS:	
How many moles of gas occu	apy 98 L at a pressure of 2.8	3 atmospheres and a temperature of 292 K?
		atmospheres and a temperature of 292 K? Givens plugged into Formula:
How many moles of gas occu	apy 98 L at a pressure of 2.8	
How many moles of gas occu	apy 98 L at a pressure of 2.8	
How many moles of gas occu	apy 98 L at a pressure of 2.8	
How many moles of gas occu	apy 98 L at a pressure of 2.8	
How many moles of gas occu	apy 98 L at a pressure of 2.8	
How many moles of gas occu	apy 98 L at a pressure of 2.8	

_ Date _

Name __

List Givens	Formula	Givens plugged into Formula:
VER WITH CORRECT UNITS	S & SIG FIGS:	
11 : 6:11 1 :4 25 0 1	C1 1' ' .1 '	1 1 20 00G D
		when the temperature is 20.0°C. By noon, the
List Givens	C. What is the new volume Formula	
List Givens	Formula	Givens plugged into Formula:
VER WITH CORRECT UNITS	s & sig figs.	
TER WITH CORRECT CIVIIS	a did ridd.	
10.47	0	1.010.0
		ne be it the pressure becomes 160 kPa?
List Givens	Formula	Givens plugged into Formula:
	. 0	
VER WITH CORRECT UNITS		

Name ______ Date _____

ANSWER WITH CORRECT UNIT	rs & sig figs:	
3. CaCO ₃ decomposes at 1200° volume of this gas be after it		CaO. If 25 L of CO ₂ are collected at 1200°C, what will the
List Givens	Formula	Givens plugged into Formula:
ANSWER WITH CORRECT UNIT	rs & sig figs:	
Caller adds 2.12 medias of ano	on to a 5 20 litar halloon t	hat almost contained 2.51 males of argan. What is the
volume of the balloon after t	on to a 5.29 liter balloon the addition of the extra σ	that already contained 2.51 moles of argon. What is the
List Givens	Formula	Givens plugged into Formula:
		1 36
ANSWER WITH CORRECT UNIT	rs & sig figs:	

Date

Givens plugged into Formula:

7. A balloon that can hold 85 L of air is inflated with 3.5 moles of gas at a pressure of 1.0 atmosphere. What is the temperature in °C of the balloon? (*Hint: The calculated answer will be in Kelvin! Convert answer to Celsius.*)

Formula

Name

List Givens

	d 0.090 moles of helium e	
List Givens	Formula	Givens plugged into Formula:
SWER WITH CORRECT UNIT	a & sia piag.	
WER WITH CORRECT UNIT	8 & SIG FIGS:	
		260°C. If the gas was cooled until the volum
lecreased to 75 L, what woul List Givens	Formula	Givens plugged into Formula:
List Givens	Tormula	Givens plugged into i orindia.
SWER WITH CORRECT UNIT	s & sig figs:	
		lume be at standard pressure?
A 5.0 L of a gas is collected a List Givens	at 1.02 atm. What will its vo	lume be at standard pressure? Givens plugged into Formula:
		-
		-
		-
		-
		-
	Formula	

Name ______ Date _____

List Givens	Formula	Givens plugged into Formula:
ER WITH CORRECT UNI	TS & SIG FIGS:	
s occupies 4.21 liters at	a pressure of 75.0 kPa. What	at will its volume be if the pressure is decrease
Hg? List Givens	Formula	Givens plugged into Formula:
		1 00
ER WITH CORRECT UNI	TS & SIG FIGS:	
ER WITH CORRECT UNI	TS & SIG FIGS:	
nixture of gases containi	ng methane, CH ₄ , ethane, C ₂ l	H ₆ , and propane, C ₃ H ₈ , gases has a total pressu
nixture of gases containi hHg. If the partial pressu	ng methane, CH ₄ , ethane, C ₂ l	H ₆ , and propane, C ₃ H ₈ , gases has a total pressommHg and 450mmHg, respectively, what is the
nixture of gases containi Hg. If the partial pressu	ng methane, CH ₄ , ethane, C ₂ l	
mixture of gases containing Hg. If the partial pressuressure of C ₃ H ₈ ?	ng methane, CH ₄ , ethane, C ₂ l res of CH ₄ and C ₂ H ₆ are 235 1	mmHg and 450mmHg, respectively, what is the
mixture of gases containing Hg. If the partial pressuressure of C ₃ H ₈ ?	ng methane, CH ₄ , ethane, C ₂ l res of CH ₄ and C ₂ H ₆ are 235 1	mmHg and 450mmHg, respectively, what is the
mixture of gases containing the partial pressuressure of C ₃ H ₈ ?	ng methane, CH ₄ , ethane, C ₂ l res of CH ₄ and C ₂ H ₆ are 235 1	mmHg and 450mmHg, respectively, what is the
mHg. If the partial pressuressure of C ₃ H ₈ ?	ng methane, CH ₄ , ethane, C ₂ l res of CH ₄ and C ₂ H ₆ are 235 1	mmHg and 450mmHg, respectively, what is the
mixture of gases containing. If the partial pressuressure of C ₃ H ₈ ? List Givens	res of CH ₄ and C ₂ H ₆ are 235 properties of CH ₄ and C ₂ H ₆ are 235 pro	mmHg and 450mmHg, respectively, what is the
nixture of gases containing. If the partial pressuressure of C ₃ H ₈ ? List Givens	res of CH ₄ and C ₂ H ₆ are 235 properties of CH ₄ and C ₂ H ₆ are 235 pro	mmHg and 450mmHg, respectively, what is the
mixture of gases containing. If the partial pressuressure of C ₃ H ₈ ? List Givens	res of CH ₄ and C ₂ H ₆ are 235 per second of CH ₄ are 235 per second o	Givens plugged into Formula:
mixture of gases containing. If the partial pressuressure of C ₃ H ₈ ? List Givens	res of CH ₄ and C ₂ H ₆ are 235 per second of CH ₄ are 235 per second o	mmHg and 450mmHg, respectively, what is the
mixture of gases containing. If the partial pressure some of C ₃ H ₈ ? List Givens WER WITH CORRECT UNITS men the pressure on a gas	res of CH ₄ and C ₂ H ₆ are 235 per second of CH ₄ are 235 per seco	Givens plugged into Formula:

Name ______ Date _____

ncreased to 500 mL? List Givens	Formula	Givens plugged into Formula
LIST GIVEIIS	Formula	Givens plugged into Formula
SWER WITH CORRECT UNITS	8 SIC FICE:	
SWER WITH CORRECT UNITS	& 316 F163.	
A gas has its volume double	d. What will happen to its K	elvin temperature?
T		- 11 -4 CTD9
LIST GIVENS	n gas are in a 3.50 L containe FORMULA	GIVENS PLUGGED INTO FORMULA:
LIST GIVENS	FORWICLA	GIVENS PLUGGED IN 10 FORMULA.
	T.C.	
SWER WITH CORRECT UNI	rs:	
ontains 1.2 moles of chlori	ne gas, what is the volume of	f the balloon that contains sample #2?
ontains 1.2 moles of chlori	ne gas, what is the volume of	f the balloon that contains sample #2?
ontains 1.2 moles of chlori	ne gas, what is the volume of	f the balloon that contains sample #2?
ontains 1.2 moles of chlori	ne gas, what is the volume of	f the balloon that contains sample #2?
ontains 1.2 moles of chlori	ne gas, what is the volume of	f the balloon that contains sample #2?
ontains 1.2 moles of chlori	ne gas, what is the volume of	
ontains 1.2 moles of chlori	ne gas, what is the volume of	f the balloon that contains sample #2?
ontains 1.2 moles of chlori	ne gas, what is the volume of	f the balloon that contains sample #2?

v volume of the soccer ba		CHIENG BUILDED BYTC FOR WY
LIST GIVENS	FORMULA	GIVENS PLUGGED INTO FORMULA:
WER WITH CORRECT UNIT	rs:	
termine the volume occup List Givens	bied by 2.34 grams of CO ₂ Formula	at STP. Givens plugged into Formula:
		1 00
VER WITH CORRECT UNITS	& SIG FIGS:	
•		elium, oxygen, and carbon dioxide. What is th
ssure of oxygen at 1.0 atr	n of total pressure, if P _{He} is Formula	0.43 atm and P _{CO2} is 0.05 atm? Givens plugged into Formula:
	0	
VER WITH CORRECT UNITS	& SIG FIGS:	

_____ Date _____