	sider the following <b>unbalanced</b> reaction: $AgNO_3 + K_3PO_4 \rightarrow Ag_3PO_4 + KNO_3$	\$
0	t is the sum of the coefficients in the balanced reaction? If there is no coefficient, the coefficient is an understood 1.  8	
0	<ul><li>6</li><li>3</li><li>4</li></ul>	
	10 pints	\$
follo Note	rogen peroxide (H <sub>2</sub> O <sub>2</sub> ) liquid decomposes into hydrogen gas and oxygen gas. Which wing represents this reaction?  Example: phases are omitted in the answer choices, but do remember the standard state of ogen and oxygen gas.  HaOand Ha+ Oa	
0	$H_2O_2 \rightarrow H_2 + O_2$ $H_2 + O_2 \rightarrow H_2O_2$ $2H_2 + O_2 \rightarrow 2H_2O_2$	
0	$2H_2O_2 \rightarrow 2H_2 + O_2$ $H_2O_2 \rightarrow 2H + 2O$	
In w	nich state of matter are the molecules all spread out? This means the distance between its much larger than the size of the molecules themselves.	≪ ween t
0	gas liquid solid	
	t are the key physical properties of solids?  the molecules are very close to each other	×
	molecules are in static positions relative to neighboring molecules molecules are in constant translational motion relative to each other molecules are very far apart from each other	
4 p	molecules are very close to each other but also move considerably among thems	selves \$
	ch of the following substances listed has the smallest percentage in the make up of all composition of air here in Austin, TX on a humid day? argon (Ar) nitrogen ( $N_2$ )	f the
0 0	oxygen $(O_2)$ carbon dioxide $(CO_2)$	
	water (H <sub>2</sub> O)  pints  the following layers of the atmosphere is closest to the ground?	\$
0	Troposphere Ozone Stratosphere	
O 4 p	Mesosphere	\$
Whie	ch of the following simple ratios of nitrogen to oxygen is the most accurate for desir on this planet.  Fare all written as nitrogen: oxygen)  4:1	
0 0	1:2 2:1 3:2	
O 4 p	3:1	×
	ch of the following substances is most variable in our atmosphere?  Water vapor  Carbon dioxide	
0	Nitrogen Argon	
	t is the name and the approximate molar mass of C <sub>5</sub> H <sub>12</sub> ?  Heptane, 74 g/mol  Pentane, 68 g/mole	×
) O O C	Hexane, 72 g/mol Pentane, 72 g/mol Pentane, 74 g/mol	
0	Hexane, 86 g/mol Pentonium, 72 g/mol	
	ch carbon compound contains the fewest carbon atoms?  Methane	\$
0	Hexane Propane Chlorobutane	
	ording to Boyle's Law, pressure and volume have a(n) indirect relationship	×
0	direct relationship inverse relationship none of these are correct	
A co	oints  ntainer holding an ideal gas is compressed to half its original volume at constant perature. According to Boyle's Law, the pressure of the gas	×
0	halves  doubles  triples	
O 4 p	quadruples	\$
	oflated balloon has a volume equal to 2.3 L at 20°C. When the temperature is reduce, the volume  doubles  is halved	iced to
0	decreases by a small amount increases by a small amount	
	lytic converters reduce the amount of in car exhaust.  CO	\$
0	$O_3$ $CO_2$ $N_2$	
	oints two most abundant gases in an inhaled breath are Nitrogen and oxygen	×
0	Nitrogen and water vapor  Oxygen and carbon dioxide  Carbon dioxide and nitrogen	
The	pints air we exhale contains about 100 times more of which gas than the air we breathe psphere?	≤ from
0	Carbon dioxide Argon Oxygen	
7 4 p	Nitrogen	\$
Whie	ch pollutant is present as a solid particulate in air?  Soot  Ozone	
0	Carbon monoxide Sulfur dioxide	
	ch of the following pollutants <b>cannot</b> be detected by odor?  CO	×
( )	$O_3$ $NO_x$	
0	SO <sub>x</sub>	
Refe	SO <sub>x</sub> points  r to the graph of elevation vs pressure found <u>here</u> . What is the approximate pressure at 4500 m altitude?	≾ ure (in
Refe	soints  r to the graph of elevation vs pressure found here. What is the approximate pressure 4500 m altitude?  57 kPa  50 kPa  60 kPa	
Refe kPa) O O O	soints  r to the graph of elevation vs pressure found here. What is the approximate pressure 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa	ure (in
RefekPa) O O O O O O O O O	solution of the graph of elevation vs pressure found here. What is the approximate pressure 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa	ure (in
RefekPa) O O O O O O O O O	soints r to the graph of elevation vs pressure found here. What is the approximate pressure 4500 m altitude? 57 kPa 50 kPa 60 kPa 63 kPa 45 kPa  bints L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)? 0.58 atm	ure (in
Refe kPa) O O O O O O O O O O O O O O O O O O O	SO <sub>X</sub> Soints  To the graph of elevation vs pressure found here. What is the approximate pressure at 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa  Soints  L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)?  0.58 atm  20 atm  440 atm	ure (in
Refe kPa) O O O O O O O O O O O O O O O O O O O	SO <sub>x</sub> points  r to the graph of elevation vs pressure found here. What is the approximate pressure 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa   Soints  L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)?  0.58 atm  20 atm  440 atm  1.2 atm  Soints  s is expanded from 3.60 L and 76.8 kPa to 8.10 L at constant temperature. What is sure?	ure (in
Refe kPa) O O O O O O O O O O O O O O O O O O O	SO <sub>x</sub> points  In to the graph of elevation vs pressure found here. What is the approximate pressure at 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa  Doints  L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)?  0.58 atm  20 atm  440 atm  1.2 atm  Doints  sis expanded from 3.60 L and 76.8 kPa to 8.10 L at constant temperature. What is sure?  2240 kPa  34.1 kPa  173 kPa	ure (in
Reference kPa) OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	oints  r to the graph of elevation vs pressure found here. What is the approximate pressure at 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa  oints  L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)?  0.58 atm  20 atm  440 atm  1.2 atm  oints  s is expanded from 3.60 L and 76.8 kPa to 8.10 L at constant temperature. What is used to kPa  34.1 kPa  173 kPa  68.2 kPa  9.48 kPa  86.4 kPa  oints  oint	vre (in
Reference kPa) OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	soints r to the graph of elevation vs pressure found here. What is the approximate pressure at 4500 m altitude?  57 kPa 50 kPa 60 kPa 63 kPa 45 kPa  Soints L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)? 0.58 atm 20 atm 440 atm 1.2 atm  Soints si is expanded from 3.60 L and 76.8 kPa to 8.10 L at constant temperature. What is sure? 2240 kPa 34.1 kPa 173 kPa 68.2 kPa 9.48 kPa 86.4 kPa  Soints sidustrial tube used to transport methane has an internal temperature equal to 18 or internal temperature equal	vre (in
Reference kPa)  O O O O O O O O O O O O O O O O O O O	soints  r to the graph of elevation vs pressure found here. What is the approximate pressure at 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa  bints  L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)?  0.58 atm  20 atm  440 atm  1.2 atm  bints  sis expanded from 3.60 L and 76.8 kPa to 8.10 L at constant temperature. What is sure?  2240 kPa  34.1 kPa  173 kPa  68.2 kPa  9.48 kPa  86.4 kPa  bints  sints  sidustrial tube used to transport methane has an internal temperature equal to 18 is dustrial tube used for methane are transported, the pressure increases to 3.6 atm in 12 L comany moles of methane (n) are present in this 12 L tubing?  0.038 moles  29 moles  3.6 moles  1.8 moles	vre (in
Reference kPa) OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	soints  r to the graph of elevation vs pressure found here. What is the approximate pressure at 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa  20 atm  440 atm  1.2 atm  2173 kPa  68.2 kPa  9.48 kPa  86.4 kPa  9.48 kPa  86.4 kPa  9.48 kPa  86.5 kPa  20 atm  20 atm  20 atm  20 atm  21 atm  22 atm  22 atm  23 atm  24 atm  25 atm  26 atm  27 atm  28 atm  29 atm  29 atm  29 atm  29 atm  20 atm  20 atm  40 atm  1.2 atm  21 atm  22 atm  22 atm  23 atm  24 atm  25 atm  27 atm  28 atm  29 atm  29 atm  29 atm  29 atm  20 at	wre (in
Reference kPa) OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	soints  To to the graph of elevation vs pressure found here. What is the approximate pressure at 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa  50ints  L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)?  0.58 atm  20 atm  440 atm  1.2 atm  50ints  1.2 atm  50ints  1.3 kPa  68.2 kPa  9.48 kPa  86.4 kPa  50ints  50ints  50ints  60idstrial tube used to transport methane has an internal temperature equal to 18 cultural transported, the pressure increases to 3.6 atm in 12 L cultural many moles of methane (n) are present in this 12 L tubing?  0.038 moles  29 moles  3.6 moles  1.8 moles  50ints  60ider the following unbalanced environmental reaction:  NO₂(g) + H₂O(t) → HNO₃(aq) + NO(g)  50ints  60ider the reaction. Then calculate the volume of NO gas produced when 0.952 are reacted to completion with excess H₂O at STP.  60inder: STP is 0 "C and 1 atm pressure. One mole occupies 22.4 L at STP.  4.80 L  7.11 L  4.38 L	wre (in
Reference kPa)  A 34  A 4  A	soints  Into the graph of elevation vs pressure found here. What is the approximate pressure at 4500 m altitude?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa  50ints  L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)?  0.58 atm  20 atm  440 atm  1.2 atm  50ints  5 is expanded from 3.60 L and 76.8 kPa to 8.10 L at constant temperature. What is unre?  2240 kPa  34.1 kPa  173 kPa  68.2 kPa  9.48 kPa  86.4 kPa  50ints  60ints  60int	wre (in
Reference kPa) OOOO Approximately Agapress OOOO Approximately Agapress OOOOO Approximately Agapress OOOOO Approximately Agapress OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	soluts r to the graph of elevation vs pressure found here. What is the approximate pressit at 4500 m altitude?  57 kPa 50 kPa 60 kPa 63 kPa 445 kPa   bints L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)? 0.58 atm 20 atm 440 atm 1.2 atm  bints sis expanded from 3.60 L and 76.8 kPa to 8.10 L at constant temperature. What is used to transport methane has an internal temperature equal to 18 atm and 173 kPa 68.2 kPa 9.48 kPa 9.48 kPa 9.48 kPa 9.48 kPa 9.0018 3.6 moles 1.8 moles 1.8 moles 1.8 moles 1.8 moles 1.7 internal security in this 12 L tubing? 0.038 moles 1.8 moles 1.8 moles 1.8 moles 1.9 moles 3.6 moles 1.7 internal security in this 12 kp year produced when 0.952 are reacted to completion with excess H₂O at STP. 1.11 internal security in this 12 kp year policy 22.4 L at STP. 4.80 L 7.11 L 4.3.8 L 3.2.7 L 4.5.7 L  5.1 internal security in the ideal gas law to solve a question. Your friend's work is shown be pV = nRT (3.7 atm)(4.3 L) = (0.5 moles)(R)(387.77 K)	s the fi
Reference kPa) OOOO Approximately Agapress OOOO Approximately Agapress OOOOO Approximately Agapress OOOOO Approximately Agapress OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	solutes  Fro the graph of elevation vs pressure found here. What is the approximate pressure to the graph of elevation vs pressure found here. What is the approximate pressure to the action and the pressure of the pressur	s the fi
Reference kPa) OOOO Approximately Agapress OOOO Approximately Agapress OOOOO Approximately Agapress OOOOO Approximately Agapress OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	soints  rto the graph of elevation vs pressure found here. What is the approximate pressure to the graph of elevation vs pressure found here. What is the approximate pressure to the graph of elevation vs pressure found here. What is the pressure (in atm)?  57 kPa  50 kPa  60 kPa  63 kPa  45 kPa  50 kPa  60 kPa  63 kPa  45 kPa  50 kBa  60 k	s the fi
Reference kPa) OOOO 4 p A 34 OOOO 4 p A ga press OOOOO 4 p A ga press OOOOO 4 p A ga press OOOOO 4 p A ga press OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	soints  To the graph of elevation vs pressure found here. What is the approximate pressure 4500 m altitude?  57 kPa 50 kPa 60 kPa 63 kPa 445 kPa  Dints  L container holds 0.80 moles of gas at 300 K. What is the pressure (in atm)? 0.58 atm 20 atm 440 atm 1.2 atm  20 atm 440 atm 1.2 atm  2240 kPa 34.1 kPa 173 kPa 68.2 kPa 9.48 kPa 86.4 kPa  86.8 kPa 86.9 kPa 86.	s the fi