

Gases

List some characteristics of gases?

What type of mixture do gasses form?

What are the properties of a gas sample?

What are the units for standard atmospheric pressure?

Convert 0.457 atm to torr

Convert 137.4 kPa to torr

What are ideal gasses?

What is the combined gas law equation?

Gas Law	Equation	Properties	Graph
Boyle's Law			
Charles' Law			
Gay-Lussac's Law			
Avogadro's Law			

What is STP?

Using Boyle's Law, what happens when volume is decreased?

Using Charles' Law, what happens when volume is decreased?

Using Gay-Lussac's Law, what happens when pressure is increased?

Using Avogadro's Law, what happens when moles are increased?

Gas pressure in a can is 2.5 atm at 25°C. Gas volume and amount of gas are constant, what is the pressure when heated to 454°C?

A 0.52 mol gas sample is at 0.0°C and 2.0 atm. The final volume is half of the initial, and the final pressure is 2.2 atm. What is the final temp of the gas?

A gas at 25.0°C occupies 4.60 liters at a pressure of 1.00 atm, what is its volume at a pressure of 3.50 atm?

What is the ideal gas equation?

Calcium carbonate is decomposed into CO₂ and collected in a 250. mL flask. The gas has a pressure of 3.3 atm at a temp of 34°C. How many moles of CO₂ gas were generated?

What is the volume of 2.5 moles of a gas at a pressure of 1.2 atm and a temperature of 298 K?