

AP Chemistry

Thou Shalt Not Forget Questions

Ch. 10 Gases

1. Why are all gas mixtures homogeneous?
2. Why are gases compressible?
3. What causes gas pressure?
4. P and V are inversely or directly related?
5. T and V are inversely or directly related?
6. T and P are inversely or directly related?
7. In the formula $PV=nRT$, what are the units for P, V, n, and T
8. One mole of an ideal gas = _____ Liters at STP.
9. Gas pressure and # of moles are inversely or directly related?
10. a) dRT/P equals what quantity?
b) The “d” in dRT/P has what metric units?
11. The more molar mass a gas has, the faster or slower it moves?
12. Average Kinetic Energy is another term for _____.
13. What 2 pressures add together when calculating the total pressure of a gas collected by water displacement?
14. a) Real gases behave most like an ideal gas at what conditions of temperature and pressure?
b) What gases deviate from ideal behavior the most/the least: small polar, large polar, small nonpolar, large nonpolar?