

MDCAT Chemistry Chapter 3 Gases Online Test

Sr	Questions	Answers Choice
1	The volume of given mass of gas is directly proportional to absolute temperature when pressure is kept constant this is called	A. Boyle's law B. Charles's law C. Graham's law D. Dalton's law
2	Which type of motion is exhibited by gases?	A. Vibrational B. Transitional C. Rotational D. All of them
3	For an ideal gas, number of mole in terms of its pressure P, temperature T and gas constant is	A. PT/R B. PRT C. PV/RT D. RT/P
4	Helium atom is two times heavier than a hydrogen molecule. At 298 K, the average kinetic energy of a helium atom is	A. same as that of a hydrogen molecule B. half that of a hydrogen molecule C. two times that of a hydrogen molecule D. four times that of hydrogen molecule
5	If increase in temperature and volume of an ideal gas is two times, then the initial pressure P changes to	A. $4P$ B. P C. $2P$ D. $3P$