Chemistry Fsc Part 1 Chapter 3 Online Test

Sr	Questions	Answers Choice
1	The diffusion of gases at absolute zero will be	A. Unchanged B. Zero C. slightly decreases D. Slightly increases
2	The rate of diffusion of a gas of molar mass 72 as compared to H2 will be.	A. 1/6 times B. 1.4 times C. 6 times D. same
3	The rate of diffusion of a gas is	A. Directly proportional to its density B. Directly proportional to molecular mass C. Inversely proportional to its density D. Inversely proportional to square root of its molecular mass
4	Which one of the following gases diffuse more rapidly.	A. Cl2 B. CO2 C. CH4 D. N2
5	At which distance a molecule is present from its neighbor molecules of its own diameter, at room temperature.	A. 100 times B. 200 times C. 300 times D. 400 times
6	If temperature of one mole of ideal gas at 273 K and one atmospheric pressure is increased by 1 K, amount of energy absorbed is.	A. 0.082 dm3 atm B. 1.987 cal. C. 8.313 J D. All are correct.
7	Density of a gas is usually expressed in	A. kg m-3 B. kg dm-3 C. g dm-3 D. g cm-3
8	Which one of the following expressions is for ideal gas equation.	A. PM= nRT B. PV = nRT C. PV = dRT D. PV= nTP
9	If we plot a graph between I/V at x-axis and pressure at Y -axis	A. a parabolic graph is obtained B. By increasing temperature straight line move toward x axis C. By increases temperature straight line move toward y axis. D. No. change in line by increasing temperature.
10	Keeping the temperature constant of the gas is expanded.	A. Pressure will decrease B. Temperature will increase C. Kinetic energy of molecules will increase D. No. of gas molecules increases
11	If 2 mol of an ideal gas at 546 K occupy a volume of 44.8 dm3, the pressure must be.	A. 1 atm B. 2 atm C. 3 atm D. 4 atm
12	How many balloon of 0.25 dm3 capacity at 1 atmospheric pressure can be filled from a hydrogen gas cylinder of 5 dm3 capacity at 10 atmospheric pressure.	A. 50 B. 90 C. 180 D. 200
13	According to Boyle's law which parameters give a straight line parallel to x -axis when we plot a graph between	A. P and V B. P and 1/V C. P and PV D. V and T
14	The volume of a gas at 0 oC is 273 dm3, the pressure remaining constant. At which temperature its volume will be doubled.	A. 273 K B. 273 ^oC C. 546 ^oC

		D. 316 K
15	A gas is heated in such a way that its volume and absolute temperature both are doubled. the pressure of the gas	A. Becomes 2 times B. Becomes 4 times C. Become half D. Remain same
16	If the number of gas molecules are doubled in a certain volume of a gas, the pressure is.	A. Decreased to half B. Doubled C. Increased to four time D. Remains unchanged
17	For a gas obeying Boyle's law if pressure is doubled, the volume becomes.	A. Double B. One half C. Four times D. Remains constant