KINETIC THEORY

[1]   State the number of degrees of freedom possessed by a monoatomic molecule inSpace

[2]   State the number of degrees of freedom possessed by a diatomic molecule inSpace

[3] Perfect gas equation is

[4]State any two characteristics of an ideal gas

[5]Define Molar specific heat capacity at constant pressure

[6]Define Molar specific heat capacity at constant volume

[7]Write any 3 postulates of kinetic theory of an ideal gas

[8]Define Molar specific heat capacity at constant pressure [C_P]

[9]Define Molar specific heat capacity at constant volume [C_V]

[10]   Write any 3 postulates of kinetic theory of an ideal gas

[11] C_P is greater than C_V .Why