



Brain International School

Vikas Puri, New Delhi

ASSIGNMENT NO 2

SUBJECT: CHEMISTRY

CLASS-XI

MAY,25

1. Define the following:
 - (a) wave number
 - (b) wave length
2. Explain the E.M.wave theory.
3. Define the following;
 - (a)time period
 - (b)Frequency
4. Wavelength of a wave 200pm find its frequency.
5. Time period of a wave is 20 ns find its frequency and wave length.
6. Define the following:
 - (a) Thresh hold energy
 - (b) Thresh hold frequency
7. What is black body radiation?
- 8.A wave of frequency 2×10^{15} Hz fall on metal surface whose thresh hold frequency is 4×10^{14} Hz .find kinetic energy of electron emitted.
- 9.Find ratio of energies of two waves A & B whose wave length are 200pm and 400pm
- 10.Find number of quanta of 200Pm emitted from 40w bulb in 5 second.
- 11.Give reason for failure of circular path of Bohr's atomic model.
12. Explain The following :
 - (i) Black body radiation
 - (ii) Scintillation effect.
13. A microscopic particle travels distance equal to its wavelength in one second then
Find its velocity.
- 14.. Why orbits are known as stationery path ?