

Chemistry Fsc Part 1 Chapter 5 Online Test

Sr	Questions	Answers Choice
1	Anode rays were discovered by	A. J. Stoney B. Rutherford C. J.J. Thomson D. Goldstein
2	The atomis radius is of the order of	A. 10^{-8} cm B. 10^{-8} cm C. 10^{-12} cm D. 10^{-10} cm
3	Orbitals having same energy are called	A. Hybird orbitals B. Valence orbitals C. Degenerate orbitals D. D-orbitals
4	Quantum number value for 2p sub shell are	A. $n = 2, l = 1$ B. $n = 1, l = 1$ C. $n = 1, l = 0$ D. $n = 2, l = 0$
5	In the ground state of an atom, the electron is present	A. In the nucleus B. In the second shell C. Nearest to the nucleus D. Farthest from the nucleus
6	Splitting of spectral lines when atoms are subjected to strong electric field is called	A. Zeeman effect B. Stark effect C. Photoelectric effect D. Compton effect
7	Rutherford's model of atom failed because	A. The atom did not have a nucleus and electrons B. It did not account for the attraction between protons and neutrons C. It did not account for the stability of the atom D. There is actually no space between the nucleus and the electrons
8	The wave number of the light emitted by a certain source is 2×10^6 m. the wavelength of this light is	A. 500 nm B. 500 m C. 200 nm D. 5×10^7 m
9	The velocity of photon is	A. Independent of its wavelength B. Depends on its wavelength C. Equal to square of its amplitude D. Depends on its source
10	The nature of positive rays depends on	A. The nature of electrode B. The nature of discharge tube C. The nature of residual gas D. All of the above