

Atomic Structure

Sr	Questions	Answers Choice
1	Who performed fist experiment to split atom	A. Bohr B. Newton C. Rutherford D. Soddy
2	The nucleus of an atom is composed of	A. Electrons B. Electons and protons C. Protons and neutrons D. Electrons and neutrons
3	Whcih Isotopes is used for diagonosis of goiter?	A. lodine-131 B. Cobalt -60 C. P-32 D. Sr-90
4	The removal of electron from a neutral atom gives rise to.	A. Molecular anion B. Anion C. Cation D. Molecular Cation
5	Number of electrons that an be accomodated in f - subshell	A. 6 B. 10 C. 2 D. 14
6	What does keep the particles present in the nucleus intact.	A. Particles are held together by dipolar force B. Particles are held together by wee nuclear force C. Particles are held together by strong nuclear force D. Particles are held together by electrostatic force
7	Mass Number is repreented by	A. Z B. S C. A D. M
8	Number of protons in the nucleus of an atom is called.	A. Atomic number B. Mass Number C. Mass Unit D. Electron Number
9	Atom is electrically	A. Positive particle B. Negaitve particle C. Neutral particle D. None of these
10	Atomic number is represented by	A. P B. A C. At D. Z
11	How is radio carbon dating useful for archeolgists.	A. It helps detemine whether the matter is radioactie or not B. It helps determine the age of organic matter C. It helps determine the composition of matter D. It helps deterime the usefulness of matter
12	A sub sheel that cna accommodate 6 electrons is	A. b B. s C. f D. p
13	What will be the relative atomic mass of nitrogen given the abundance of its two isotopes, 14 N and $^{15}\mathrm{N}$ are 99.64 and 0.35	A. 14.0210 B. 14.2100 C. 14.0021 D. 14.1200
14	An element has 5 electrons in M shell. Its tomic number is.	A. 5 B. 10

		C. 15 D. 20
15	According to Rutherford's atomic theory, atom should produce.	A. Line spectrum B. Continuous spectrum C. Both a and b D. None of these
16	d- subshell can accommodate maximum electrons.	A. 2 B. 6 C. 10 D. 14
17	Carbon -14 is used for the	A. Growth of bonesB. Diagonosis of goiterC. Age determination of old objectsD. All of these
18	In which isotope of oxygen there are the equal numbr of protons electons and neutorns.	A. O ¹⁶ B. ¹⁷ O C. ¹⁸ O D. None of these
19	Rutherford used a gold foil in his experiment, which had a tickness of	A. 0,0002 cm B. 0,0001 cm C. 0.001 cm D. 0.00004cm
20	¹³ C and ¹⁴ C are both present in nature.	A. 0,1 % B. 1.1 % C. 0.9 % D. 1.5 %