

Atomic Structure

| Sr | Questions | Answers Choice |
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| 1 | How many electrons can be accommodated at the most in the third shell of the elements. | A. 8 B. 10 C. 18 D. 32 |
| 2 | Which particle is present in different number in the isotopes. | A. Proton B. Electron C. Neutron D. Both neutron and electron |
| 3 | Which subshells are present in L - shell? | A. S and P B. Only s -sub shell C. Only p - sub shell D. Sub shell |
| 4 | Chlorine has two isotopes, both of which have | A. Same mass Number B. Same number of electrons C. Same number of neutrons D. Different number of protons |
| 5 | An element has 5 electrons in M shell. Its atomic number is. | A. 5 B. 10 C. 15 D. 20 |
| 6 | Atom is electrically | A. Positive particle B. Negative particle C. Neutral particle D. None of these |
| 7 | Number of isotopes of hydrogen is | A. 2 B. 5 C. 4 D. 3 |
| 8 | What does keep the particles present in the nucleus intact. | A. Particles are held together by dipolar force B. Particles are held together by weak nuclear force C. Particles are held together by strong nuclear force D. Particles are held together by electrostatic force |
| 9 | Proton are attracted toward plate. | A. Positive B. Negative C. Both a and b D. None of these |
| 10 | The nucleus of an atom is composed of | A. Electrons B. Electrons and protons C. Protons and neutrons D. Electrons and neutrons |
| 11 | Quantum means. | A. Variable energy B. Fixed energy C. High energy D. Minimum energy |
| 12 | d- subshell can accommodate maximum electrons. | A. 2 B. 6 C. 10 D. 14 |
| 13 | Which Isotope is commonly used to irradiate cancer cells. | A. Cobalt -60 B. Iodine-23 C. Carbon -14 D. Iodine-131 |
| 14 | Who performed first experiment to split atom | A. Bohr B. Newton C. Rutherford D. Soddy |

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| 15 | How do electrons keep themselves away from the oppositely charged nucleus. | A. A magnetic field around the nucleus keeps them away B. By keeping themselves stationary C. By revolving around the nucleus D. Due to their wave like nature |
| 16 | How many subshells are there in M shell? | A. 2 B. 4 C. 3 D. 5 |
| 17 | Rutherford used a gold foil in his experiment, which had a thickness of | A. 0.0002 cm B. 0.0001 cm C. 0.001 cm D. 0.00004cm |
| 18 | How many electrons can be accommodated at the most in the third shell of the elements. | A. 8 B. 12 C. 10 D. 18 |
| 19 | How many electrons can be accommodated in S subshell? | A. 2 B. 6 C. 14 D. 10 |
| 20 | Carbon -14 is used for the | A. Growth of bones B. Diagnosis of goiter C. Age determination of old objects D. All of these |