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**CHEMISTRY**

**GRADE: 11 MARKS: 10**

1. The tiniest to tiny particle of a pure substance is called \_\_\_\_\_\_\_\_\_.
2. An atom is the smallest unit of an element which takes part in a \_\_\_\_\_\_\_\_\_.
3. The K-shell of any atom cannot have more than \_\_\_\_\_\_\_\_\_ electrons.
4. Isotopes are the atoms of \_\_\_\_\_\_\_\_\_\_\_ element, having same atomic number but different mass number.
5. An atom of an element has 11 protons 11 electrons and 12 neutrons. The atomic mass of the atom is \_\_\_\_\_\_\_\_\_\_.
6. Almost all the mass of an atom is concentrated in a small region of space called the \_\_\_\_\_\_\_.
7. The subatomic particle not present in a hydrogen atom is\_\_\_\_\_\_\_\_.
8. \_\_\_\_\_\_\_\_and\_\_\_\_\_\_\_\_ more or less make up the mass of an atom.
9. The number of neutrons in the neutrons in the neutrons of an atom can be calculated by \_\_\_\_\_\_\_ the atomic number of \_\_\_\_\_\_\_its mass number.
10. The isotopes of an element do not differ in the number of \_\_\_\_\_\_\_ but do differ in the number of \_\_\_\_\_\_\_.