

UNSOLVED QUESTION

- The symbol of sodium metal is
(a) So (b) Si (c) Sm (d) Na
- The only liquid metal at room temperature, is
(a) sodium (b) mercury (c) potassium (d) magnesium
- The formula of one molecule of phosphorus is
(a) P (b) P₄ (c) P₆ (d) P₈
- The process of breaking down of a chemical compound into elements, is called
(a) decomposition (b) synthesis (c) symbiosis (d) photosynthesis
- The symbolic representation of one molecule of a compound is called
(a) formula (b) equation (c) symbol (d) reactant
- One molecule of oxygen is represented by the symbol
(a) 2O (b) O (c) O₂ (d) O₃
- Sodium ion is formed
(a) by the donation of 1 electron from its outermost shell
(b) by the acceptance of 1 electron from its outermost shell
(c) by accepting one proton in its nucleus
(d) by losing one electron in its nucleus
- The smallest particle of any substance having all the properties of that substance is called
(a) an atom (b) an element (c) a molecule (d) a compound
- Atomicity of a molecule is the
(a) rate of molecular movement
(b) number of its atoms staying together
(c) number of subatomic particles in an atom
(d) combining capacity of the molecule
- Protons are particles with
(a) positive charge (b) negative charge (c) neutral charge (d) none of the above
- Isotopes of an element are identical in
(a) shape and size (b) mass number (c) chemical properties (d) none of these
- Valency of an element is the
(a) number of electrons present in an atom.
(b) combining capacity of atoms.
(c) number of atoms staying together in a molecule.
(d) all the above

13. Which of the following equations represents a decomposition reaction?
(a) $A + B \rightarrow A B$ (b) $A + BC \rightarrow AC + B$ (c) $AB \rightarrow A + B$ (d) none of these
14. Compounds of oxygen are called
(a) chlorides (b) sulphides (c) bromides (d) oxides
15. A charged particle of an element is called
(a) ion (b) neutron (c) radical (d) proton