

Sarala Birla Public School
Birla Knowledge City, Mahilong Ranchi.
Assignment 5 (2020-21)
Class-X
Subject- Science (Chemistry)

Chapter- Chemical Reaction and Equation/ Classification of Elements

Multiple Choice Questions:

- Chemically rust is:
(a) Ferric sulphate (b) ferric oxide (c) hydrated ferrous oxide (d) hydrated ferric oxide
- The main cause of rancidity is:
(a) Anti oxidant (b) bacteria (c) oxidation of fatty acid molecule (d) none of these
- Which of the following gases can be used for storage of fresh sample of an oil for a long time:
(a) CO₂ or O₂ (b) N₂ or O₂ (c) CO₂ or He (d) He or N₂
- In the reaction- $\text{Be}_2\text{C} + x \text{H}_2\text{O} \rightarrow y\text{Be}(\text{OH})_2 + \text{CH}_4$, the value of x and y are:
(a) 2,1 (b) 2, 3 (c) 4,2 (d) 4,3
- A white precipitate can be obtained by adding dilute sulphuric acid to:
(a) CuSO₄ (b) NaCl (c) BaCl₂ (d) Na₂SO₄
- Which of the following can be decomposed by the action of light?
(a) NaCl. (b) KCl (c) AgCl (d) CuCl
- The process of respiration is:
(a) an oxidation reaction which is endothermic
(b) A reduction reaction which is exothermic
(c) A combination reaction which is endothermic
(d) An oxidation reaction which is exothermic
- One of the following is an exothermic reaction. This is:
(a) electrolyses of water
(b) Conversion of limestone into quicklime
(c) Process of respiration
(d) Process of photosynthesis
- Which of the following elements would lose an electron easily?
(a) Mg (b) Na (c) K (d) Ca
- Which among the following elements has the largest atomic radius?
(a) Na (b) Mg (c) K (d) Ca
- Which of the following set of elements is written in order of their increasing metallic character?
(a) Be,Mg,Ca. (b) Na,Li, K (c) Mg,Al, Si. (d) C,O,N
- Which of the following is the outermost shell for elements of period two?

(a) K. (b) L. (c) M. (d). N

13. The element which has the maximum number of valance electrons is:

(a) Na (b) P (c) Si. (d) Al

14. The element which forms a basic oxide has the atomic number of:

(a) 18 (b) 17 (c) 14 (d) 19

15. The atomic numbers of four elements P,Q,R and S are 6,8,14,16 respectively. Out of these elements , the metalloid is:

(a) P (b) Q (c) R (d) S

PROJECT

In an A4 sheet make the Modern Periodic Table. Mention atomic number and mass number in the box.