

Board – ICSE

Class – 7th

Topic – Language of Chemistry

1. The substances which undergo chemical change are called
2. Balancing a chemical equation is based on
 - (a) Law of conservation of mass
 - (b) Mass of reactants and products
 - (c) Symbols and formulae
 - (d) None of the above
3. Write symbolic representation for the following word equations and balance them :
 - (a) Calcium carbonate → Calcium oxide + Carbon dioxide
4. Write symbolic representation for the following word equations and balance them :
 - (a) Carbon + Oxygen → Carbon dioxide
5. Balance the following chemical equations :
 - (a) $\text{FeS} + \text{HCl} \rightarrow \text{FeCl}_2 + \text{H}_2\text{S}$
6. Explain the term 'chemical reaction' with special reference to – 'reactants' and 'products'.
7. In certain reactions a change of smell is observed. Give two examples from daily life of the same.
8. Represent the addition of dilute sulphuric acid to zinc by means of a chemical equation. State the function of the arrow between the reactants and products.
9. Give a balanced equation for addition of iron to copper [II] sulphate solution. State the change in colour seen.
10. State four conditions necessary for chemical reactions to take place.
11. During a chemical reaction transfer of ____ takes place.
12. Give symbol of Carbon and Sulphur.
13. Define Valency. State Valency of hydrogen.
14. Give symbol of sodium and iron.
15. Write 'true' or 'false' for the following statements : No new substance is formed during a chemical reaction.