

Class - VII, Subject - Science, Ch - Chemical Substance and Processes.

ASSIGNMENT

1. Answer the following questions.

a) Write the symbol of the following elements.

Carbon, Nitrogen, Copper, Bromine, Sodium, Tin, Iron, Iodine.

b) Write the formula of the following compounds.

Carbon di-oxide, Water, Ammonia, Calcium Oxide, Nitric acid, Sodium Hydroxide, Sodium Chloride, Sulphuric acid.

c) Write the Latin name of the following elements.

Potassium, Sodium, Lead, Iron, Copper, Silver.

d) Define the following terms.

i) Symbol. ii) Formula. iii) Valency iv) Chemical Equation.

e) Write the name of five elements which have valency one.

f) Write the name of five elements which have valency two.

2. Give the chemical equations of the following.

a) Hydrogen reacts with oxygen to form water.

b) Carbon reacts with oxygen to form Carbon di-oxide.

c) Nitrogen reacts with Hydrogen to form Ammonia.

3. What do you mean by balancing chemical equations? Give one example.

4. What is a combination reaction? Give one example.

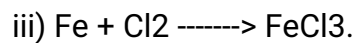
5. $AB \rightarrow A + B$. Identify the type of reaction and write one example.

6. What is a neutralisation reaction? Give one example.

7. Balance the following chemical equations.

i) $N_2 + H_2 \rightarrow NH_3$.

ii) $H_2 + O_2 \rightarrow H_2O$.



8. What is radical? Write the type of radical with example.

9. Which elements are present in the compound acetic acid?

10. Write down the steps of writing the formula of Calcium Chloride.
