



STEPPING STONE
SCHOOL (HIGH)

CLASS :6

Subject: Chemistry

Topic: Answers to worksheets

Dated: 2.5.2020 to 4.5.2020

Answers to Worksheet No.:7

Date :2.5.20

Write the symbols of the following elements :

- 1) H
- 2) He
- 3) Al
- 4) Ar
- 5) Ca
- 6) O
- 7) K
- 8) Ag
- 9) Au
- 10) Cu

Fill in the blanks :

- 1) decomposed / broken down
- 2) crust
- 3) formula
- 4) oxygen, hydrogen
- 5) natrium

Answer the following questions :

- 1) a) Metals are usually hard solids.
b) They are lustrous in appearance.
- 2) a) Non-metals are either soft solids or gases.
b) They are mostly brittle in nature.
- 3) A compound is a pure substance formed by the chemical combination of one or more elements in a definite proportion by mass.
- 4) a) A compound is made up of two elements.
b) It is pure and homogeneous.

5) An element is made up of only one kind of substance whereas a compound contains two or more elements combined together in a fixed ratio. An element is represented using a symbol whereas a compound is represented using a formula.

Answers to Worksheet No.:8
Date :3.5.20

Fill in the blanks :

- 1) atom
- 2) mixture
- 3) graphite
- 4) element
- 5) chemical bond
- 6) carbon dioxide

Answer the following questions :

- 1) An atom is the smallest unit of an element that shows all the properties of an element.
- 2) a) The atoms of an element are identical and exhibit same properties.
b) The atoms of an element differ from those of other elements.
- 3) A molecule is the smallest particle of an element or a compound that exists independently and shows all the properties of that element.
- 4) a) The atoms of same element or different elements combine to form molecules.
b) The atoms in a molecule are held together by chemical bonds.
- 5) Mixtures are physical combinations of two or more elements or compounds in any proportion.
- 6) a) The constituents of a mixture may be present in any ratio.
b) There is no fixed melting or boiling point of a mixture.

Answers to Worksheet No.:9
Date :4.5.20

Fill in the blanks :

- 1) soluble
- 2) supernatant
- 3) sieving
- 4) filtrate
- 5) properties

6) filtration

Answer the following questions :

- 1) To remove harmful or undesirable substances, to obtain a useful substance and to obtain pure sample of a substance.
- 2) a) Components of an insoluble solid and liquid cannot be completely separated.
b) The components of a solid which is lighter than liquid do not settle down and so they cannot be separated.
- 3) The insoluble solid left behind on the filter paper after filtration is called residue.
- 4) Evaporation is a process by which a liquid is converted into its vapour state.
- 5) a) The properties of water are totally different from the properties of its constituent elements whereas the constituents of air retain their individual properties.
b) Energy change takes place during the formation of water whereas there is no change in energy when constituents of air are mixed together.
- 6) When a mixture of insoluble substance and water is kept undisturbed for some time, then the suspended insoluble particles settle down at the bottom under the influence of gravity. This process is called sedimentation. Decantation is the process of pouring the clear liquid into another beaker leaving the sediments undisturbed.