



KALPAVRUKSHA MODEL SCHOOL

Online class Assignments

Class: VII

Sub: Chemistry

Date: 21.08.2021

Topic: Chemicals and Chemical Changes

I. Answers for the following questions:

1. Define the following a) Atom b) Molecule.

Ans:

a) Atom: An “Atom” is the smallest particle of a substance. They may or may not exist independently.

b) Molecule: “Molecules” are formed when two or more atoms join together. Molecules can exist independently.

2. Explain Element and give 5 examples.

Ans: An “Element” is a substance that is made up of only one kind of atoms and cannot be broken down into simpler substances by chemical means.

Example: Silver, Gold, Copper, Aluminium, Hydrogen, Oxygen etc.

3. Explain Compounds and give 5 examples.

Ans: A “Compound” is a substance that is formed when two or more elements combine chemically.

Ex: H_2O , CO_2 , NaCl , CaCl_2 , Na_2CO_3 , HCl

4. Explain Mixtures and give 2 examples.

Ans: A “Mixture” consists of two or more substances simply mixed together, but not chemically.

Ex: Air (Mixture because it is mixed with various gases such as Nitrogen, Oxygen, Carbon dioxide, Water vapor, Argon and particles of dust, smoke and many others.)

A mixture retains the properties of its compounds.

Ex: In a mixture of iron filing and Sulphur both retain their own properties.