



KALPAVRUKSHA MODEL SCHOOL

Online class Assignments

Class: VII

Sub: Chemistry

Date: 25.08.2021

Topic: Chemicals and Chemical Changes

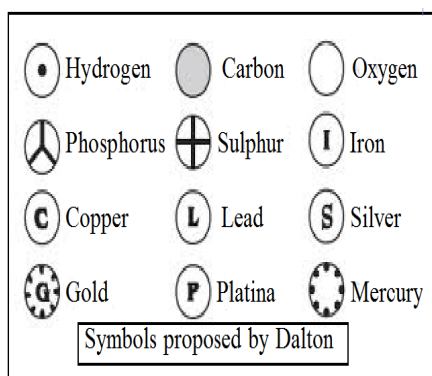
I. Answers for the following questions:

1. Define Chemical Symbols.

Ans: The abbreviations used to represent elements are called Chemical symbols.

2. What are pictorial symbols and give 5 examples.

Ans: Elements symbols represented in pictures.



3. Explain modern system of representation of elements.

Ans: The modern system of representation was given by Jons Jacob Berzelius, a Swedish chemist. Instead of pictures, he made use of the letters of the English alphabet to represent various elements. The important features of this system are: The first English letter appearing in the name of an element is used as its symbol.

Ex: The symbol for Hydrogen is H, for Carbon C, Oxygen O, Nitrogen N, etc.

Symbols of some elements have also been derived from their Latin names.

Ex: Iron Ferrum (Fe), Lead Plumbum (Pb), Gold Aurum (Au)
Silver Argentum (Ag)

When two or more elements have their names beginning with the same letter, one more letter is added to the symbols.

For some elements, the second letter in their name is added, such as Calcium (Ca), Cobalt(Co), Xenon (Xe), Helium (He), And Bromine (Br).

In some cases, another distinct letter is used,

Ex: Chlorine (Cl), Magnesium (Mg), Manganese (Mn), and Zinc(Zn).

4. Write first 30 elements names and symbols.

Ans:

A	B
Hydrogen	H
Helium	He
Lithium	Li
Beryllium	Be
Boron	B
Carbon	C
Nitrogen	N
Oxygen	O
Fluorine	F
Neon	Ne
Sodium	Na

Magnesium	Mg
Aluminum	Al
Silicon	Si
Phosphorus	P
Sulfur	S
Chlorine	Cl
Argon	Ar
Potassium	K
Calcium	Ca
Scandium	Sc
Titanium	Ti
Vanadium	V
Chromium	Cr
Manganese	Mn
Iron	Fe
Cobalt	Co
Nickel	Ni
Copper	Cu
Zinc	Zn