

ELEMENTS, COMPOUNDS AND MIXTURES

SUBJECT-CHEMISTRY

CHAPTER-03

CHAPTER NAME-ELEMENTS, COMPOUNDS AND MIXTURES

PERIOD-2

CHANGING YOUR TOMORROW



LEARNING OBJECTIVE

- You will be able to know about the symbols of various elements.
- You would know about the characteristics of the compounds



SYMBOLS OF ELEMENT

1 - Hydrogen H	21 - Scandium Sc	41 - Niobium Nb
2 - Helium He	22 - Titanium Ti	42 - Molybdenum Mo
3 - Lithium Li	23 - Vanadium V	43 - Technetium Tc
4 - Beryllium Be	24 - Chromium Cr	44 - Ruthenium Ru
5 - Boron B	25 - Manganese Mn	45 - Rhodium Rh
6 - Carbon C	26 - Iron (Ferrum) Fe	46 - Palladium Pd
7 - Nitrogen N	27 - Cobalt Co	47 - Silver (Argentum) Ag
8 - Oxygen O	28 - Nickel Ni	48 - Cadmium Cd
9 - Fluorine F	29 - Copper (Cuprum) Cu	49 - Indium In
10 - Neon Ne	30 - Zinc Zn	50 - Tin (Stannum) Sn
11 - Sodium (Natrium) Na	31 - Gallium Ga	51 - Antimony (Stibium) Sb
12 - Magnesium Mg	32 - Germanium Ge	52 - Tellurium Te
13 - Aluminium (Aluminum) Al	33 - Arsenic As	53 - Iodine I
14 - Silicon Si	34 - Selenium Se	54 - Xenon Xe
15 - Phosphorus P	35 - Bromine Br	55 - Caesium (Cesium) Cs
16 - Sulfur S	36 - Krypton Kr	56 - Barium Ba
17 - Chlorine Cl	37 - Rubidium Rb	57 - Lanthanum La
18 - Argon Ar	38 - Strontium Sr	58 - Cerium Ce
19 - Potassium (Kalium) K	39 - Yttrium Y	59 - Praseodymium Pr
20 - Calcium Ca	40 - Zirconium Zr	60 - Neodymium Nd



METHODS FOR WRITING THE SYMBOLS

Method by which Elements are given Name.

- ✓ Each element is denoted by a symbol which is usually the first letter of its name in English or Latin. (always in capital letter)
- ✓ If the first letter of more than two elements is same, the symbol is denoted by two letters, first letter is written in capital while the second letter is written in small letter.
- ✓ Some symbols have been taken from the Latin, German, or Greek.
- ✓ These symbols also represent an atom of that element.



CHARACTERISTICS OF A COMPOUND

Elements react to form new compounds.

The compound has a fixed composition.

Properties of a compound are totally different from those of its constituents.

They have a fixed melting point, boiling point, etc.

The constituents can be separated only by chemical processes.



VIDEO TIME

✂ https://youtu.be/5LOd_zkW3fE



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HOME ASSIGNMENT

- Exercise-1 Q3(a) ,(b) Q4 & Q5
- Mention the characteristics of a compound.
- Write the Symbols of the following elements:-
 - Calcium
 - Magnesium
 - Sodium
 - Chlorine
 - Potassium
 - Aluminum



THANKING YOU

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