ODM EDUCATIONAL GROUP
Changing your Tomorrow

ATOMS, MOLECULES AND RADICALS

SUBJECT-CHEMISTRY

CHAPTER NO- 4

Significance of Molecular Formula.

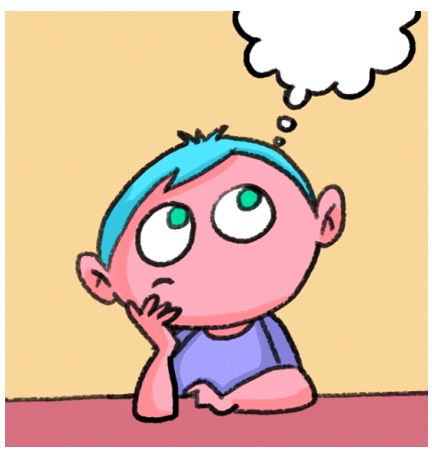
PERIOD-6

Website: www.odmegroup.org
Email: info@odmps.org
Toll Free: 1800 120 2316
Sishu Vihar, Infocity Road, Patia, Bhubaneswar- 751024

LEARNING OBJECTIVE

Students will be able to

- Know about the Significance of Molecular Formula
- Get aware of the concept of molecular mass.



WARM UP QUESTIONS

- Activate prior knowledge by asking students what do they mean by Molecular Formula.
- Guide them to get aware of the significance of Molecular Mass.

MOLECULAR FORMULA

- It represents one molecule of a compound.
- The number of each kind of atoms present, i.e., the ratio in which the atoms are present in one molecule.
- The mass of one molecule of the compound can be calculated.

MOLECULAR MASS

- Molecular mass is the algebraic sum of the masses of all the atoms present in a given molecule.
- Molecular mass of H_2O (water) can be calculated
  - (2 X Atomic Mass of Hydrogen) + (1 X Atomic Mass of Oxygen)
  - (2X1) + (1X16) = 18 Units
  - For example, in sulphuric acid (H_2SO_4), the ratio of hydrogen, Sulphur and oxygen is 2:1:4

HOME ASSIGNMENT

- Exercise Q8 & Q9
- Find the ratio of Hydrogen and Oxygen present in water.

THANKING YOU

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