

Atoms and Molecules

1. Write full form of IUPAC.
2. Name the scientist who gave atomic theory of matter.
3. What are building blocks of matter ?
4. Name two laws of chemical combination.
5. Name the unit in which atomic radius is usually expressed.
6. Define molecular mass.
7. What is formula unit mass?
8. Name the element used as standard for atomic mass scale.
9. What is atomicity? Explain with two examples.
- 10.State law of conservation of mass.
- 11.State law of constant proportion.
- 12.Calculate molecular mass of H_2 and NH_3 . (At. mass of H = 1 u, N = 14 u)
- 13.Write postulates of Dalton's atomic theory.
- 14.What is the difference between molecule of an element and the molecule of a compound? Give one example of each.
- 15.In what form does oxygen gas occur in nature ?
- 16.In what form do noble gases occur in nature ?

What is the difference between $2H$ and H_2 ?