SOME BASIC CONCEPTS OF CHEMISTRY

CHEMISTRY

NEET 2023

01 NATURE OF MATTER

02 LAWS OF CHEMICAL COMBINATIONS

03 DALTON'S ATOMIC THEORY

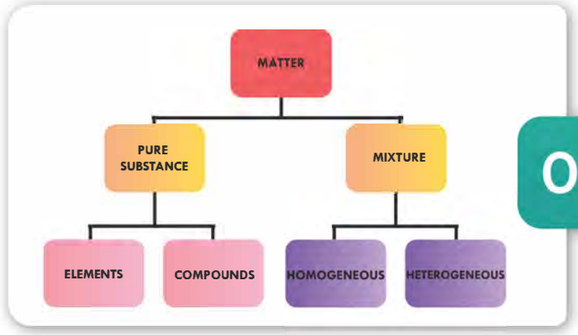
04 MOLE CONCEPT

05 PERCENTAGE COMPOSITION

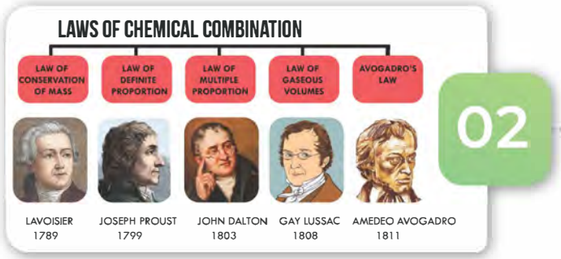
06 EF & MF

07 LIMITING REACTANT

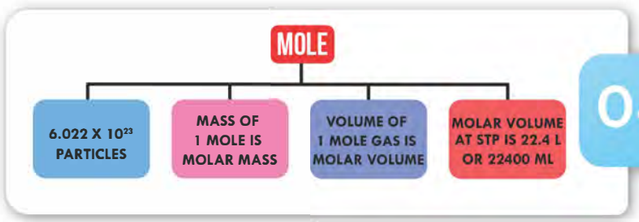
08 STOICHIOMETRIC CALCULATIONS



Which one of the following is not a mixture
(A) Tap water (B) Distilled water
(C) Salt in water (D) Oil in water

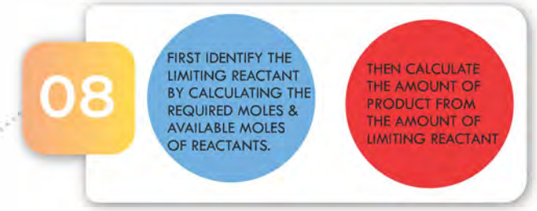


Which one of the following pairs of compound illustrate the law of multiple proportions ?
(A) H_2O, Na_2O (B) MgO, Na2O
(C) Na_2O, BaO (D) $SnCl_2$, $SnCl_4$



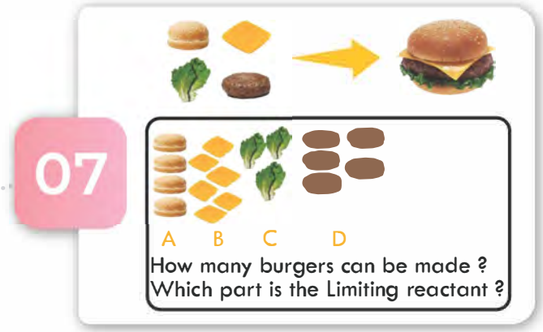
Which one of the followings has maximum number of atoms?
(A) 1 g of Mg(s) [Atomic mass of Mg = 24]
(B) 1 g of O_2 [Atomic mass of O=16]
(C) 1 g of Li(s) [Atomic mass of Li = 7]
(D) 1 g of Ag(s) [Atomic mass of Ag = 108]

NEET 2020



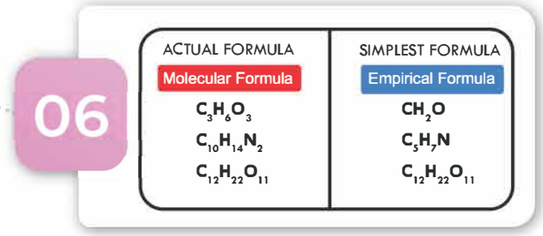
When 22.4L of $H_2(g)$ is mixed with 11.2L of $Cl_2(g)$, each at STP, the moles of HCl(g) formed is equal to
(A) 0.5 (B) 1.5 (C) 1 (D) 2

AIPMT 2014



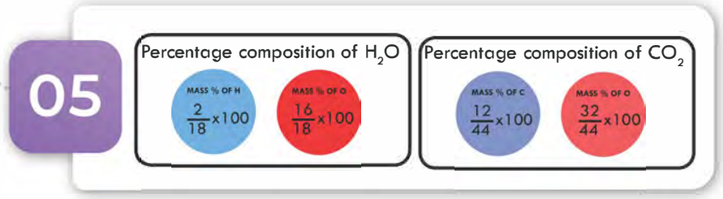
The number of moles of hydrogen molecules required to produce 20 moles of ammonia through Haber's process is
(A) 40 (B) 10 (C) 20 (D) 30

NEET 2019



An organic compound contains 80% (by wt.) C & the remaining percentage of H . The empirical formula of this compound is:
(A) CH_3 (B) CH_4 (C) CH (D) CH_2

NEET 2021



Mass % of carbon in ethanol is
(A) 52 (B) 13 (C) 34 (D) 90