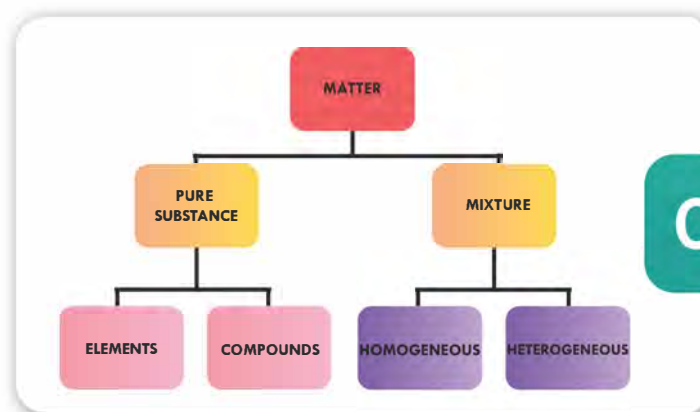


CHEMISTRY

NEET 2023

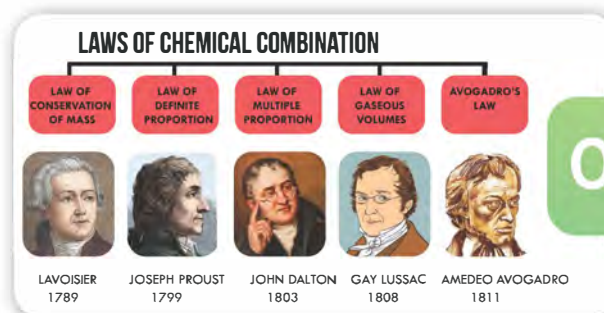
SOME BASIC CONCEPTS OF CHEMISTRY

01



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

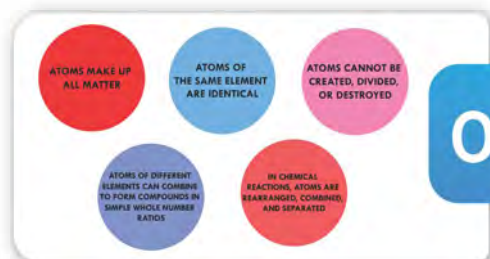
02



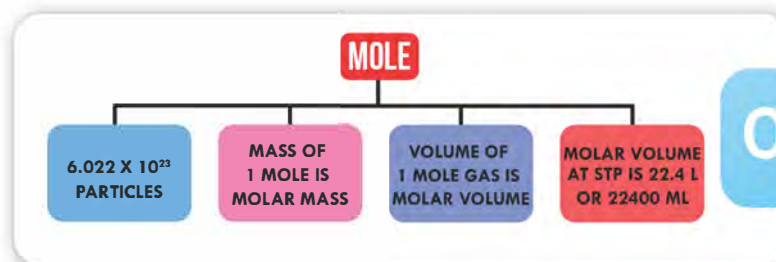
Which one of the following pairs of compound illustrate the law of multiple proportions?

- (A) H_2O , Na_2O (B) MgO , Na_2O
(C) Na_2O , BaO (D) $SnCl_2$, $SnCl_4$

03



04



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

08

STOICHIOMETRIC CALCULATIONS

08

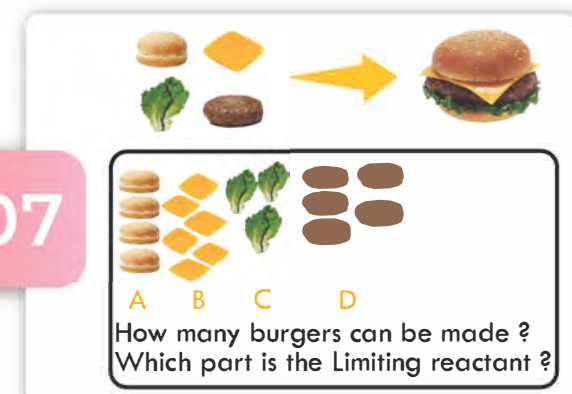
FIRST IDENTIFY THE LIMITING REACTANT BY CALCULATING THE REQUIRED MOLES & AVAILABLE MOLES OF REACTANTS.

THEN CALCULATE THE AMOUNT OF PRODUCT FROM THE AMOUNT OF LIMITING REACTANT

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

07



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

06

LIMITING REACTANT

EF & MF

06

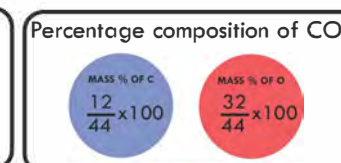
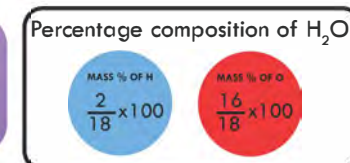
ACTUAL FORMULA Molecular Formula	SIMPLEST FORMULA Empirical Formula
$C_3H_6O_3$	CH_2O
$C_{10}H_{14}N_2$	C_5H_7N
$C_{12}H_{22}O_{11}$	$C_{12}H_{22}O_{11}$

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

05



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