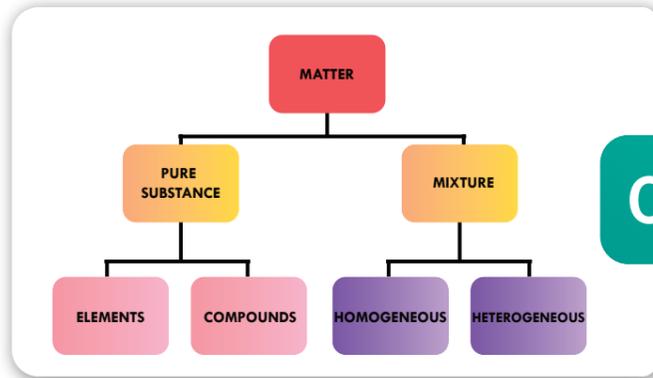


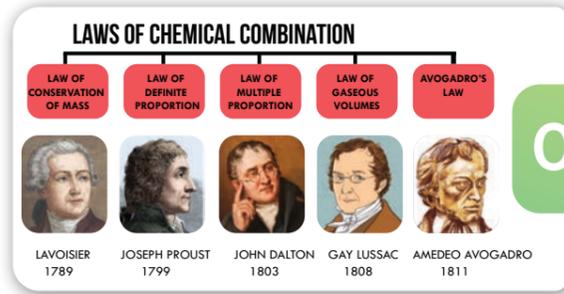
CHEMISTRY

01 NATURE OF MATTER



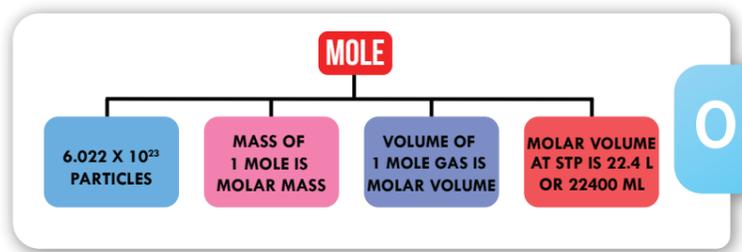
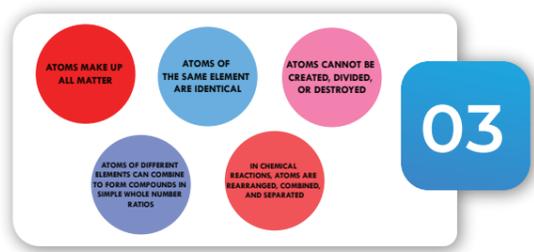
Q) Which one of the following is not a mixture ?
 (A) Tap water (B) Distilled water
 (C) Salt in water (D) Oil in water

02 LAWS OF CHEMICAL COMBINATIONS



Q) 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) $SnCl_2, SnCl_4$

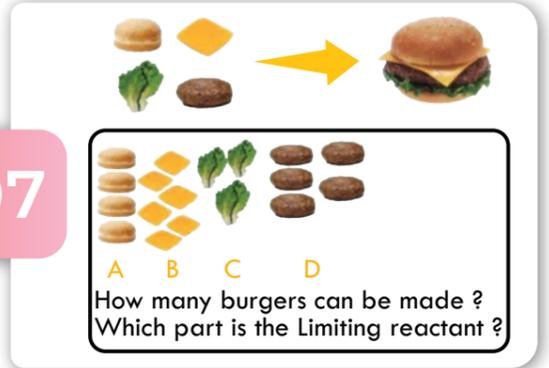
03 DALTON'S ATOMIC THEORY



Q) 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]

08 STOICHIOMETRIC CALCULATIONS

07 LIMITING REACTANT



Q) 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

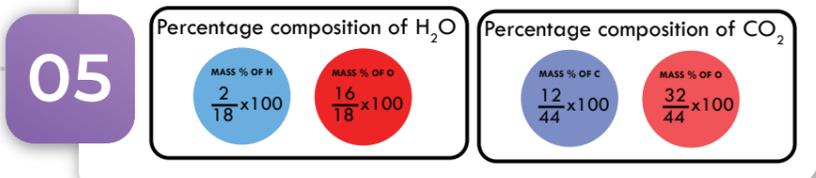
06 EF & MF

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

Q) 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

04 MOLE CONCEPT

05 PERCENTAGE COMPOSITION



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

