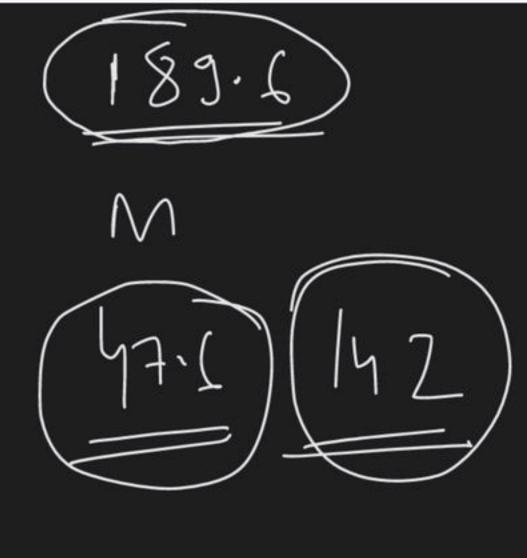


Course on Mole Concept for Class XI



$$\frac{9}{189.6}$$
  $\frac{1}{8}$   $\frac{1}{8}$ 



Ag Br 

2 (g H\_3 S V\_3 N 9 9

Cy My OZ CXHY  $(H_2 + \frac{3}{2}0_2$ 5 1 2 mod ( 0 2 + 126

(11203/g

 $\frac{2 \text{Nahch}_3}{1} + \text{M}_2 \text{C}_2 \text{U}_1 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_1 + 2 \text{h}_2 \text{O} + 2 \text{CO}_2$   $\frac{1}{2 \text{Nahch}_3} + \text{M}_2 \text{C}_2 \text{U}_1 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_1 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_2 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_1 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_2 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_2 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_1 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_2 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_1 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_2 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_2 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_1 \longrightarrow \text{Na}_2 \text{C}_2 \text{U}_2 \longrightarrow \text{Na}_2 \text{C}_2 \longrightarrow \text{Na}_2 \text{C}_2 \longrightarrow \text{Na}_2 \text{C}_2 \longrightarrow \text{Na}_2 \text{C}_2 \longrightarrow \text{Na}_2 \times \text{Na}_2 \longrightarrow \text{Na}_2 \longrightarrow \text{Na}_2 \times \text{Na}_2 \longrightarrow \text{$ 

$$\Rightarrow \frac{M_{avg}}{=} = 2 \times \frac{V.D}{=}$$

#

0. find EF of an organic compound of 112 gm of pt on complete van nith Oggen 352 gm Coz 4 144 gm 4,0 8 mol Ziver orly. CH (A) C 12 9. 16 (B) CH C H2 C 4,0 (D) None

find EF of Organic compa y 149 pm comp of complete 8m with exygen 352 gm coz 4 144 gm Hzc only. C H OK 8 16 2 (A) C4H80 4 2 1 (B) (H, O C4480 O None

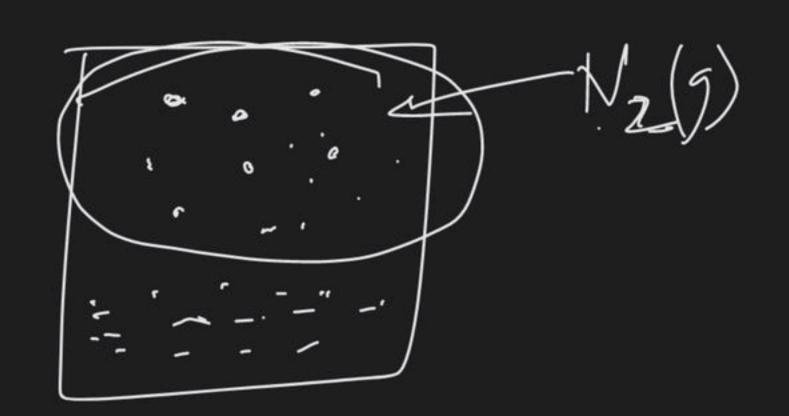
Vapour pressure: -> Rate of emaporation e9/5 Rate Rate Condensation con densation Rate = no. g molecules verpourised

of mapping per sec.

# pressure exerted by the vaprus in eglbon With its liguid state. # vapour pressure of a liquid depends de de son temps.

He is 'ntependent of amount ? I. ad Surface area of light. 

In car 1 120 Vapour pressure in also known as Agream tension



etermination of Molecular man: Victor Mayer's Method Volume 10 lattle

 $R_{1} = 860 - 24 = 836 = 1.1 atm$ 

In the quantitative determination of nitrogen,  $N_2$  gas liberated from 0.42 gm of a sample of organic compound was collected over water. If the volume of  $N_2$  gas collected was  $\frac{100}{11}$  ml at total pressure 860 mm Hg at 250 K, % by mass of nitrogen in the organic compound is [Aq. tension at 250 K is 24 mm Hg and R = 0.08 L atm mol<sup>-1</sup> K<sup>-1</sup>]

$$(A) \frac{10}{3}\%$$

(B) 
$$\frac{5}{3}$$
%

(C) 
$$\frac{20}{3}$$
 %

(D) 
$$\frac{100}{3}$$
 %



?=50+012 H20(e) الما 50 tors

Silver salt method: Used to determine Mot man of organic acit -> HCOOH - C 13 COOM MA - COGIN-

Chy cooly + AgNb3 -> (hz coo) Ag (7pt) + HNO3 Silver sult (HnA) + n' AgNO3 - n AynA (rpt) + n4N03  $\frac{Ag_{n}(A(PH))}{N_{N_{1}}} \rightarrow n \quad Ag_{N_{2}}(S)$   $\frac{W_{1}}{108\times n + M_{A}} \times n = \frac{W_{2}}{108}$ 

H<sub>2</sub>S04

H3P04