

Plus One

FOR NEET/KEEM ENTRANCE EXAM

BATCH 2023 - 24

36999 WITH BOOKS - BATCH FEE ALL SUBJECTS

Neet channel link proovide onergibo

Lee 7 2000 Barbanson?

Min.

BATCH FEATURES

e Kann WINNER

All Features from +1 AGNI Batch

NEET/KEAM Extra Live Classes

Daily Practice Problems - Videos + Notes

Chapterwise Exams

Full length Exams





75 <u>920</u> 920 <u>21</u>

















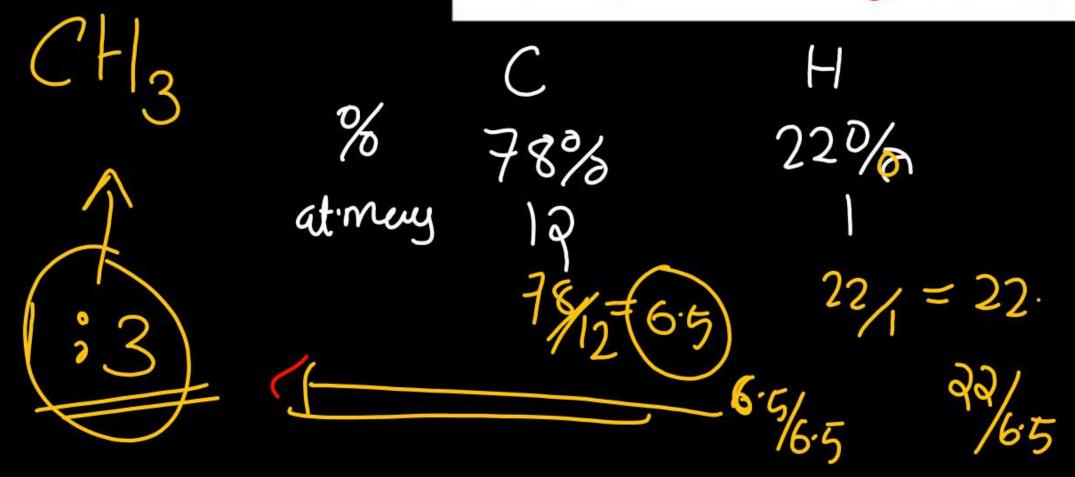
Vedha Batch.

Cu forms two oxides cuprous and cupric oxides which law can be proved by the weights of Cu and O

- (1) Constant composition
- (2) Multiple proportions
- (3) Conservation of mass
- (4) Definite proportions

An organic compound contains 78% (by wt.) carbon and remaining percentage of hydrogen. The right option for the empirical formula of this compound is: [Atomic wt. of C is 12, H is 1]

[NEET-2021]



Molarity of
$$29\% \left(\frac{W}{W}\right)$$
 H₂SO₄ solution whose density is 1.22 g ml⁻¹, is **[NCERT Pg. 23]** (1) 1.8 M (2) 3.6 M (3) 2.4 M (4) 1.2 M

$$M = \frac{06 \text{by mart} \times d \times 10}{\text{M.Man of solute}}$$

$$= \frac{89 \times 1.22 \times 10}{98} = \frac{3.6 \text{ M}}{9.6}$$

2 moles of solute 2 moles of NaoH->809

$$m = \frac{n_2 \times 1000}{W_1(3)}$$

$$= \frac{2 \times 1000}{12m}$$

The density of 2 M aqueous solution of NaOH is 1.28 g/cm³. The molality of the solution is [Given that molecular mass of NaOH = 40 g mol-1] | Mol - 7 4-08 [NEET-2019 (Odisha)]

2 Mag; solution-> 2 moley of solute in 11 solution

$$d = \frac{m}{V} = 1.289 / m_1$$
 $M = dxV = 1.28x1000 = 12809$ Total more of Solution

The number of moles of hydrogen molecules required to produce 20 moles of ammonia through Haber's process is : [NEET-2019]

$$1000$$
 $3mol$ $2mol$ $N_2 + 3H_2 - 2NH_3$ $20moley$

3 mol H2 -> 2 mol NH3
3/molt2 - 1 mol NH3
2
3/22 - 20mol NH3

$$N = \frac{N}{N}$$

$$N = \frac{N}{N}$$

$$N = \frac{N}{N}$$

$$N = 0.05$$

W=99.

$$M = W/n$$
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W= 109

Suppose the elements X and Y combine to form two compounds XY_2 and X_3Y_2 . When 0.1 mole of XY_2 weighs 10 g and 0.05 mole of X_3Y_2 weighs 9 g, the atomic weights of X and Y are

[NEET-Phase-2-2016]

30, 20

(3) 20, 30

$$XY_2 = 7$$
 20 $(M \cdot Man) - (1)$
 $X_3Y_2 = 7$ $3x + 2y = 180$ $(M \cdot Man) - (2)$

$$(2)-(1) 2x = 80$$

$$2x = 80/=40//4=30$$

A mixture of gases contains H_2 and O_2 gases in the ratio of 1 : 4 (w/w). What is the molar ratio of the two gases in the mixture? [AIPMT-2015]

$$(2)$$
 1:4

$$\frac{12}{12} - \frac{1}{12} = \frac{1}{12}$$

$$no \cdot of moley = 6.02 \times 10^{23}$$

= 10^{-3}

6.02 × 10²⁰ molecules of urea are present in 100 mL of its solution. The concentration of solution is [NEET-2013]

- (1) 0.01 M
- (2) 0.001 M
- (3) 0.1 M
- (4) 0.02 M

$$= \frac{10^{3} \times 1000}{100} = \frac{-3}{100} \times 10$$

```
molar
```

Mole fraction of the solute in a 1.00 molal aqueous solution is [AIPMT (Prelims)-2011]

(1) 1.7700

(2) 0.1770

(3) 0.0177

(4) 0.0344

molal agrisolution:-> 1 Kg (1000g) Solvent Which has the maximum number of molecules among the following? [AIPMT (Mains)-2011]

(3) 44 a CO₋

1)
$$89 \text{ H}_2 = no \cdot \text{of moles} \times NA = \frac{8}{2} \times NA = \frac{4NA}{2}$$

2) $649 \times 9 = 0$ $64 \times NA = NA/1$

3)
$$449(02 = 44 \times NA = NB//$$

10 g of hydrogen and 64 g of oxygen were filled in a steel vessel and exploded. Amount of water produced in this reaction will be

[AIPMT (Prelims)-2009]

- (1) 3 mol
- (3) 1 mo

- (2) 4 mol
- (4) 2 mol

$$H_2 + I_2 O_2 - 7H_2 O$$
: L.R is O_2 .

2 mol [mol 2 mol 329 o_2 -) 369 H20

2 H2 + O_2 - 7 2H20: $Ig o_2$ -) $\frac{36}{32}$ 9 H20

4 9 $328^{4\times6}$ $\frac{369}{7}$ $\frac{369}{7}$ $\frac{36}{32}$ $\frac{36}{32}$

N3->14X 42 The total number of valence electrons in 4.2 g of N_3^- ion is (N_A is the Avogadro's number)

$$(1)$$
 2.1 N_A

 $(3) 1.6 N_A$

$$(2)$$
 4.2 N_A

(4) 3.2 N_A

no of No ion in 4.29 => 4.2 XNA = 0.1 NA ions.

no of valence ésin 4.29 = DOIXNAX16

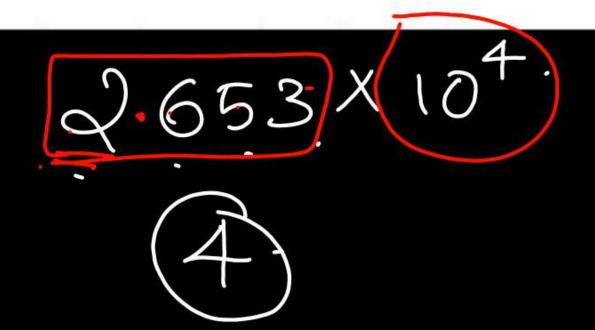
An organic compound containing C and H gave the following analysis C = 40%, H = 6.7%. Its empirical formula would be

- (1) CH₄ (2) CH₂(
- (3) $C_2H_4O_2$ (4) C_2H_4

The number of significant figures in 2.653 × 104 is

(1) 8 (2) 4

(3) 7 (4) 1



Empirical formula of a compound is CH₂O. The molecular formula of the compound cannot be

$$(2)$$
 $C_6H_{12}O_6$

$$(3)$$
 $C_{12}H_{22}O_{11}$

 6.025×10^{20} molecules of acetic acid are present in 500 ml of its solution. The concentration of solution is

10.2 M

(1) 0.002 M (2)

(3) 0.012 M (4) 0.001 M

In the reaction,

$$4NH_3(g) + 5O_2(g) \rightarrow 4NO(g) + 6H_2O(I)$$

when 1 mole of ammonia and 1 mole of O₂ are made to react to completion

- (1) All the oxygen will be consumed
- (2) 1.0 mole of NO will be produced
- (3) 1.0 mole of H₂O is produced
- (4) All the ammonia will be consumed

Mole fraction of solute in aqueous solution of 30% NaOH is

(1) 0.16 (2) 0.05

(3) 0.25 (4) 0.95

B has two isotopes ¹⁰B (19%), ¹¹B (81%). The atomic mass of B is

(1) 10.81 (2) 10⁵

(3) 11 (4) 10.5

Which of the following is not related to Dalton's atomic theory? [NCERT Pg. 16]

- (1) Matter consists of indivisible atoms
- (2) All the atoms of a given element have identical chemical properties
- (3) Matter can be classified into elements and compounds
- (4) Compounds are formed when atoms of different elements combine in fixed ratio