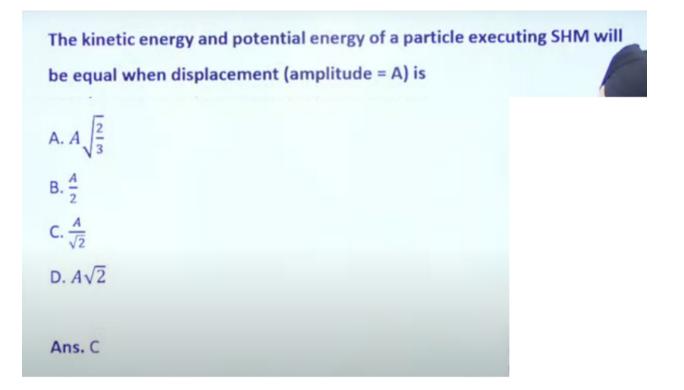
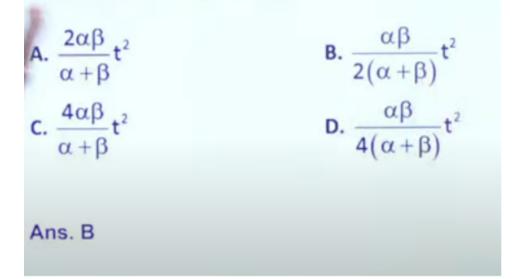
JEE Main 17 March 2021 Shift 1 Memory-Based Questions – CollegeDekho, Vedantu, Grade Up



A particle moving with α (acc.) and then deceleration with β to come at rest. If total time lapse 't' then what is the distance covered in term s of t, α and β .

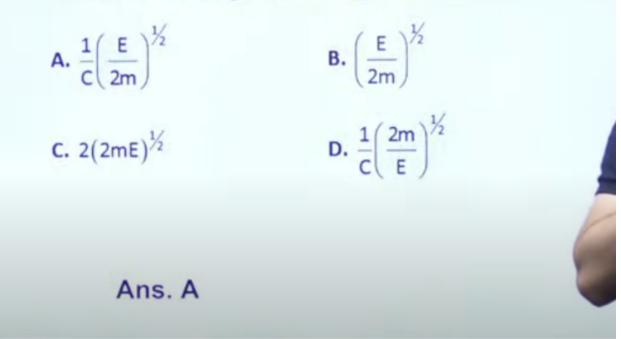


Two non reacting gases CH_4 of mass 6.4 g and CO_2 of mass 8.8 gm is mixed in a vessel of volume 10 litre at 27°C. The pressure in KPa is ?

Two identical rods with conductivity k_1 , k_2 joined in series. What is the equivalent conductivity.

Ans.
$$\frac{2k_1k_2}{k_1 + k_2}$$

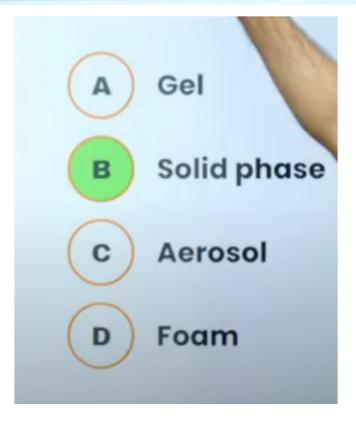
An electron of mass m and a photon have same energy E. The ratio of de Broglie wavelength associated with then is



Two gases of degree of freedom f_1 , f_2 temp. T_1 and T_2 moles n_1 , n_2 . What is temperature on mixing

Ans.
$$\frac{f_1 n_1 T_1 + n_2 f_2 T_2}{n_1 f_1 + n_2 f_2} = T$$

The colloid in which gas is the dispersed phase and solid is the dispersion medium :



Benzene chloride with NaOH give phenoxide ion. What is the temperature and pressure of this reaction.



A divalent cation having atomic no. 25. Calculate the spin only magnetic moment.

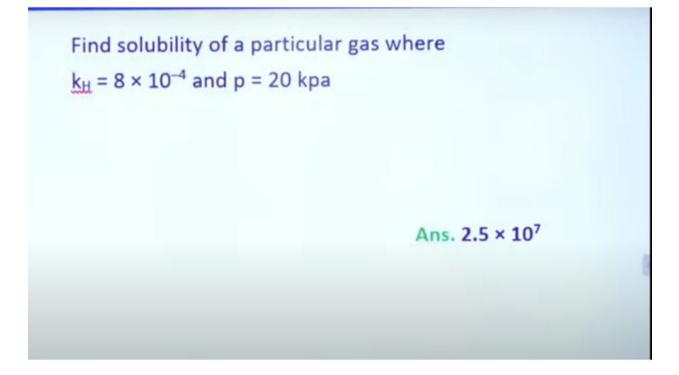
Ans. 5.91 B.M.

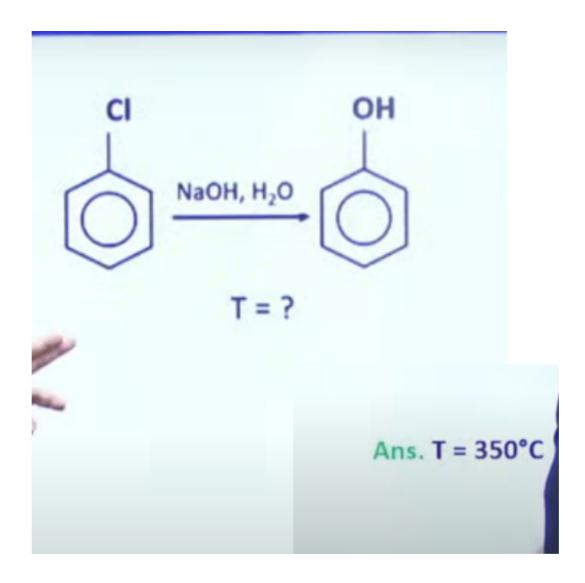
≈ 6 B.M.

$$CH_{3} = \overset{O}{C} = CH_{2} = \overset{O}{C} = OC_{2}H_{5} + CH_{1} = CH_{1} \xrightarrow{H^{+}} \rightarrow \overset{H^{+}}{\longrightarrow}$$
Ans.
$$O \qquad O \qquad O \qquad O \qquad O \qquad O \qquad CH_{3} = C - CH_{2} = C - OH_{2} + C_{2}H_{5}OH$$

Colloidal of gas in solid

- A. Aerosol
- **B. Emulsion**
- C. Solid foam
- D. None of the above





For a first order reaction, 32% reaction left after 570 sec. Find k in $[k \times 10^{-3}]$



Order of conductivity of Li⁺, N⁺, K⁺, Rb⁺, Cs⁺ in aqueous medium

Ans. Cs⁺ > Rb⁺ > K⁺ > Na⁺ > Li⁺

Atom having 3 single bond and 2 lone-pair

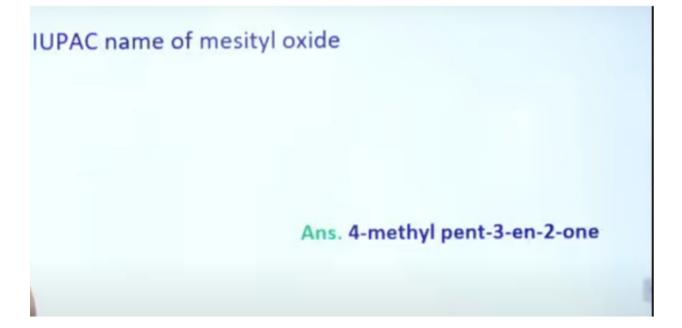
Ans. T-shape

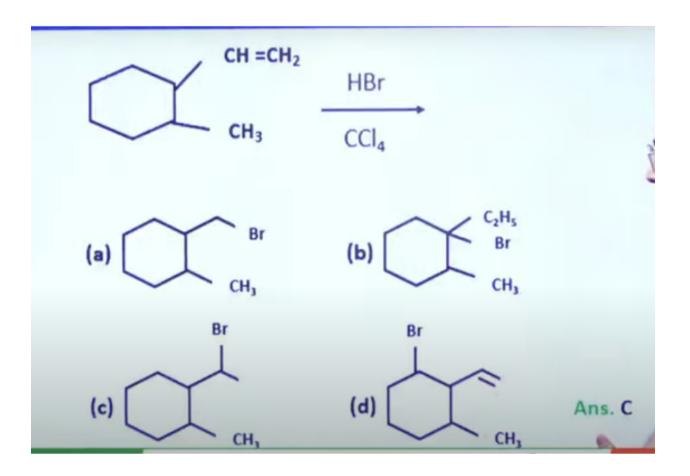
If an electron is moving in nth orbit of H-atom, then it's velocity is-

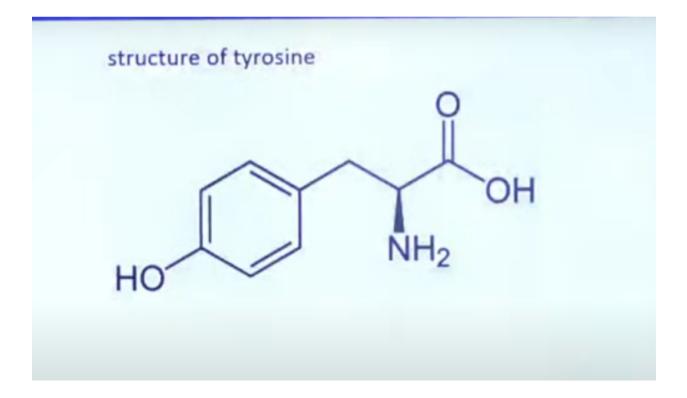
A.
$$V \propto \frac{1}{n^2}$$

B. $V \propto \frac{1}{n}$
C. $V \propto n$
D. $V \propto n^2$

Ans. B







Which of the following is not a Lewis base A. NF₃ B. PCl₅ C. SF₄ D. ClF₃

Answer: C

More Questions to be Added Shortly – Keep Checking Below Link

JEE Main 2021 Question	<u>JEE Main 2021 Paper 1</u>	JEE Main March 2021
Papers	(<u>B.Tech) Answer Key</u>	Question Paper PDF
Also Check		
JEE Main 2021 Chemistry	JEE Main 2021 Physics	JEE Main 2021 Maths
Question Paper & Answer	Question Paper & Answer	Question Paper & Answer
Key	Key	Key