

@totalediting6804 2 hours ago (edited)

Sir mujhe set C mila paper hard tha but jo aapne bola tha vo bhi aaya tha. Sir grace marking hogi kya Translate to English

凸1 97 Reply

√ 1 reply



@Xenoxspidey 3 hours ago

Sir set C main ek bhi question nhi aya jo aapne karwaya tha lol Translate to English

凸1 97 Reply



@Deadline_Gaming 17 hours ago

Sir ak bhi question nehi aya apne jo karaya tha, idk why everyone is saying same to same aya 😢 😢 😢 😢 Translate to English

凸8 97

√ 14 replies



@Kriti2052 17 hours ago (edited)

Sir question marks distribution ke according nhi tha sir Aisa kyu tha Translate to English







@Zebakhanam2807 16 hours ago

Thank u so much sir apne jo padhaya wahi aya exam me easy the paper thoda time manage karne me problem ho rhi thi easy tha paper thank u sir bhot ache se apne concept clear kareaye aur questions bhi practice karwaye 💚 💚 💚 🍏 #Manishbhaiyaop

Translate to English



@KishanGiri-z1o 16 hours ago

Sir bs ek question nahi aata tha what is fuel cell 3 marks ka aaya tha 😢 Bt sir isko chord ke sb kuch aata thaa sab aaka smjaaya hua thaa 🧡 🧡 🧡 💖 thanks a lot sir.... Sir aapki hi vajah se mai chemistry me itte acche marks score kr paae thanku sir 🧡 🧡 🧡 🧡

Translate to English





@Ritwik5911 12 hours ago

Thanku sir aapne jo jo questions btaye the vo aaye the pr thode bht aaye the...

Thanku sir 🤎

Translate to English





Reply



@swatiswayamshree8621 16 hours ago

Thank you soo much sir apne Jo bhi classes liye the unme se questions aye the including mcqs



Translate to English









@RIYAGAMER-k7e 16 hours ago

SIR CHEMISTRY FOD AAYE :: SIR CHEMISTRY FOD AAYE :: SIR CHEMISTRY FOD AAYE SIR CHEMISTRY FOD AAYE

Translate to English





Reply



@MANISh68446 16 hours ago

Thank you so much, Manish Sir! Your teaching really helped me in the exam today. The paper went great because of your support! 🤎 😊













@IfraimranMulla 17 hours ago

Sir thank you soo much sir 🤎

Aaj jitna bhi likh saki hu sir wo aapki mehnat ki wajah se hi likh pai hu Sir 😊 😊

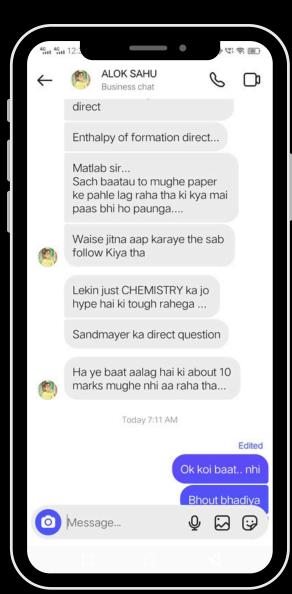
Translate to English



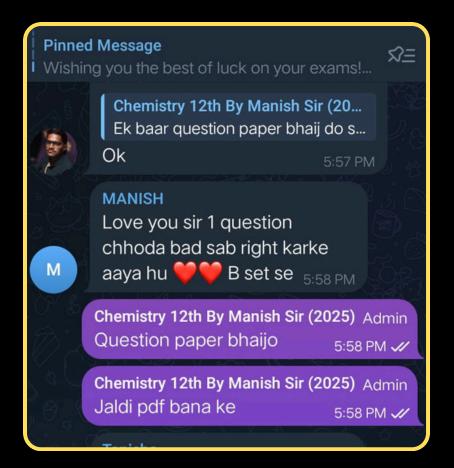


Reply











April 23

Thank you sir paper thik thak thaa bas time kam mila humko 2 45 pe diya aur bich mein kuch reason ke wajah se rok bhi diya 10 15 min ke liye au 5 30 ko hi le gaye paper

Thank you soo much sir apne Jo bhi classes liye the unme se kafi questions aye the including mcqs





7:00 PM

Set C

2. The hydrolysis of ethylene ozonide gives

(A) formaldehyde

(B) acetaldehyde

(C) acetone

D) ethene

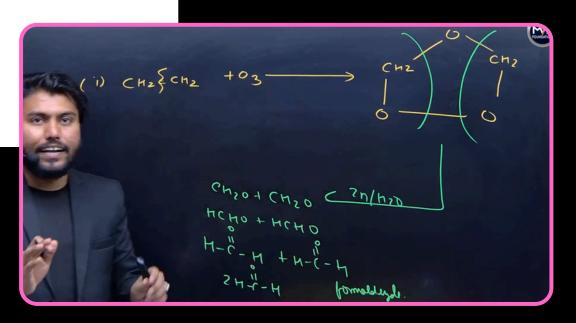
एथीलीन ओजोनाइड का जल-अपघटन देता है

(A) फॉर्मल्डिहाइड

(B) ऐसीटैल्डिहाइड

(C) एसीटोन

(D) एथीन



03:20:23 minute 3rd marthon

3. Outer orbital complex formation involves

(M) sp^3d^2 hybridization

 d^2sp^3 hybridization

sp³ hybridization

dsp² hybridization

2:34:03 / 3:49:15

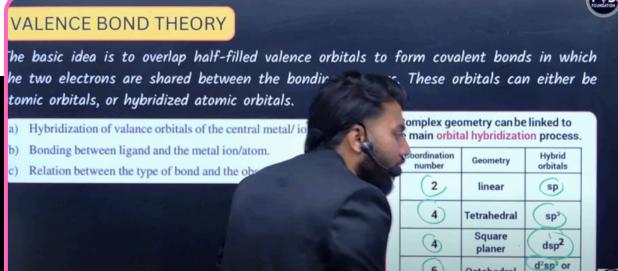
कक्षक संकुल निर्माण में निहित है

 sp^3d^2 संकरण

 d^2sp^3 संकरण

 sp^3 संकरण

 dsp^2 संकरण



Octahedral

sp3d2

5. The correct order of stability of 1°, 2° and 3° carbocations is

(A) $1^{\circ} > 2^{\circ} > 3^{\circ}$

(B) $3^{\circ} > 2^{\circ} > 1^{\circ}$

(C) $2^{\circ} > 1^{\circ} > 3^{\circ}$

(D) $1^{\circ} > 3^{\circ} > 2^{\circ}$

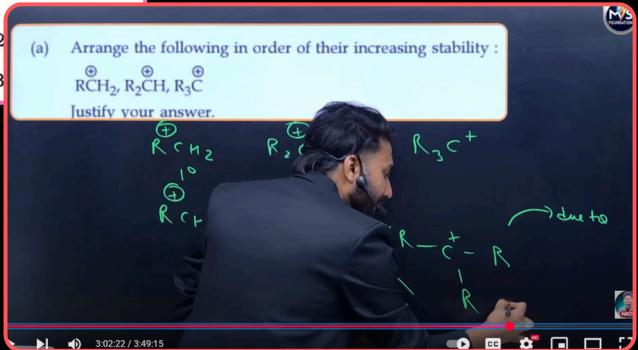
1°, 2° और 3° कार्बोधनायनों के स्थायित्व का सही क्रम है

(A) $1^{\circ} > 2^{\circ} > 3^{\circ}$

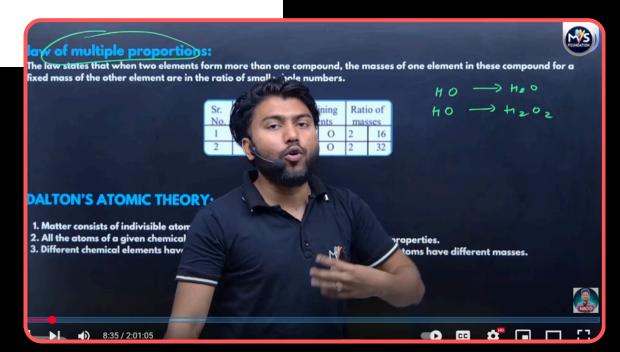
(B) $3^{\circ} > 2$

(C) $2^{\circ} > 1^{\circ} > 3^{\circ}$

(D) $1^{\circ} > 3$



- 9. The law of multiple proportions is applicable for
 - (A) two elements forming more than one compound
 - (B) a compound involving at least three elements
 - (C) one element forming more than one type of molecule
 - (D) two elements forming one compound



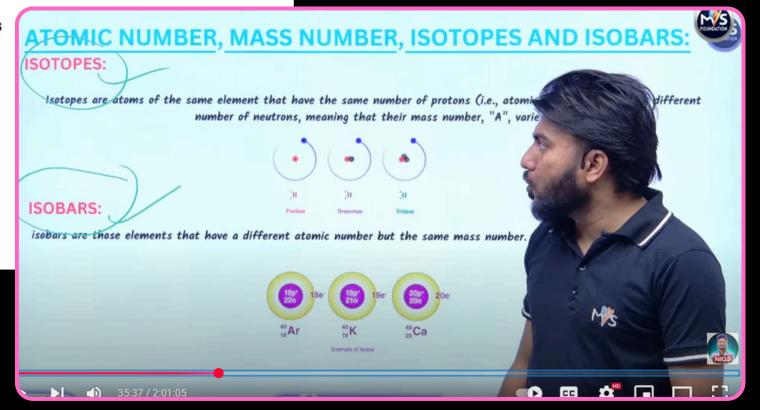
Tritium is represented as ³₁H. It contains

- (A) one electron, one neutron, one proton
- (B) three electrons, one proton
- (C) one proton, one electron, two neutrons
- (D) one neutron, two protons

ट्रीटियम को ${}_{1}^{3}H$ के रूप में दर्शाया जाता है। इसमें है

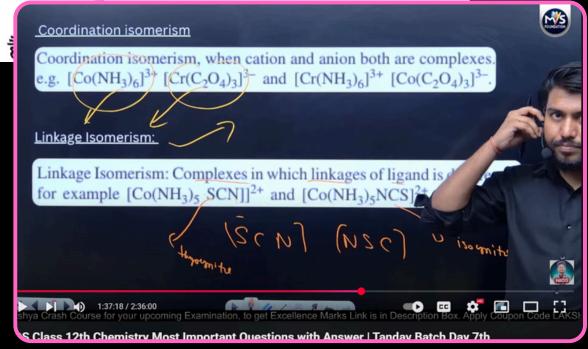
- (A) एक इलेक्ट्रॉन, एक न्यूट्रॉन, एक प्रोटॉन
- (B) तीन इलेक्ट्रॉन, एक प्रोटॉन
- (C) एक प्रोटॉन, एक इलेक्ट्रॉन, दो न्यूट्रॉन
- (D) एक न्यूटॉन, दो पोटॉन

capsule class

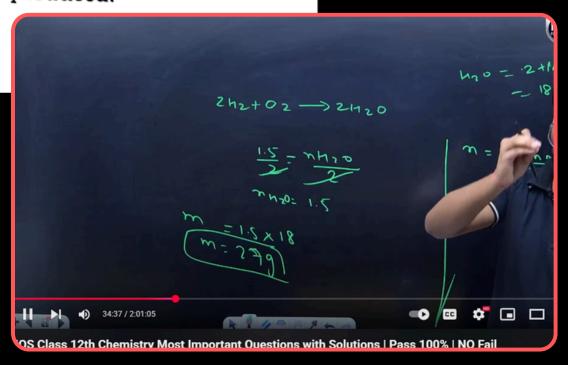


- 14. The pair of complexes which shows linkage isomerism is
 - (A) $[Co(NH_3)_5Br]SO_4$ and $[Co(NH_3)_5SO_4]Br$
 - (B) $[Co(NH_3)_5SCN]^{2+}$ and $[Co(NH_3)_5NCS]^{2+}$
 - (C) $[Co(NH_3)_6]^{3+}$ and $[Cr(C_2O_4)_3]^{3-}$
 - (D) $[Cr(H_2O)_5Cl]Cl_2 \cdot H_2O$ and $[Cr(H_2O)_4Cl_2]Cl \cdot 2H_2O$

संकुलों का वह युग्म, जो बंधनी समावयवता दर्शाता है,



- 17. Complete the following choosing from the given options: (34, 28, 17, H_3O^+ , H_2O , H_2O_4)
 - (a) $N_2(g) + 3H_2(g) \rightarrow 2NH_3(g)$ In the above reaction, ____ g of NH₃ is produced.
 - (b) The empirical formula of H₂O is _____.



Complete and balance the following reactions:

(a)
$$CaC_2 + 2H_2O \rightarrow$$

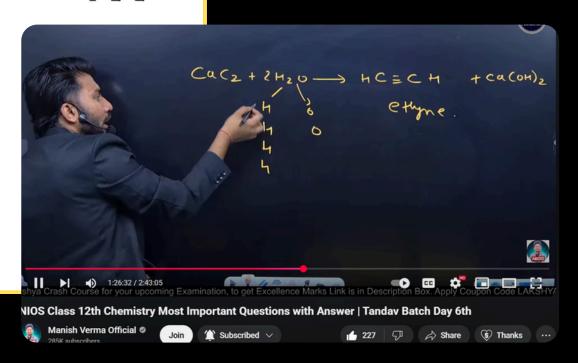
(b)
$$CH = CH + H_2O \xrightarrow{40\% \text{ H}_2SO_4} 1\% \text{ HgSO}_4$$

निम्नलिखित अभिक्रियाओं को पूर्ण एवं संतुलित कीजिए:

(क)
$$CaC_2 + 2H_2O \rightarrow$$

(ख)
$$CH = CH + H_2O \xrightarrow{40\% H_2SO_4} 1\% HgSO_4$$

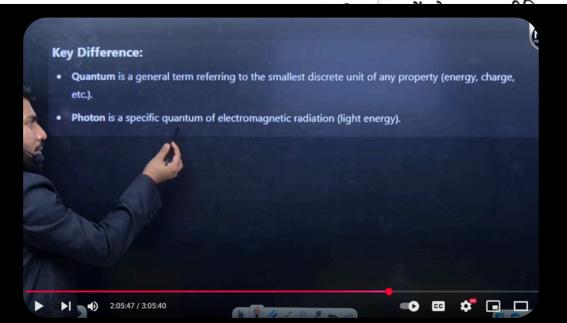
 $1 \times 2 = 2$

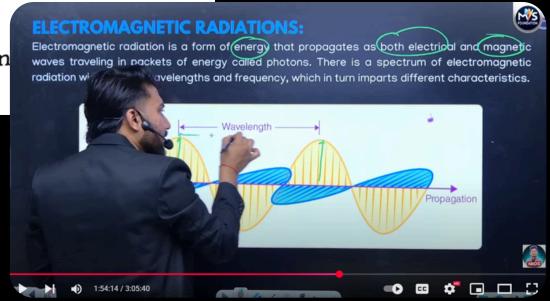


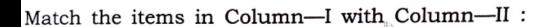
planes perpendicular to each other and also to the direction of propagation.

(a) Depict the amplitude and wavelength (λ) of an electromagnetic wave in the form of a diagram.

(b) Define a photon. Give its mathematical expression







Column—I

Column—II

(a) Groups with -I effect

i) — CH_3 , —H, $(CH_3)_3C$ —

(b) Groups with +I effect

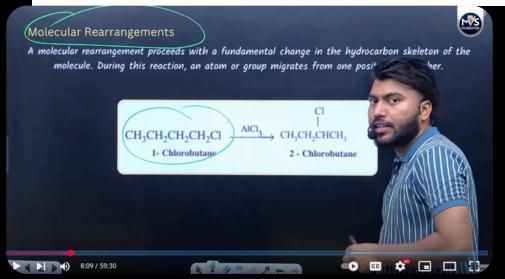
(fi) Presence of aluminium chloride/AlCl₃

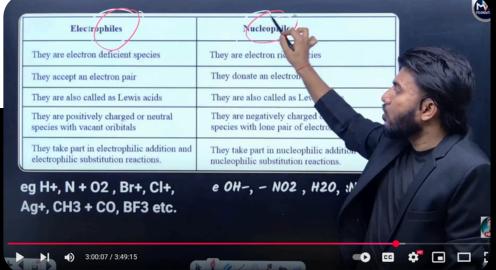
(c) Dehydrating agent

(iii) $-NO_2$, $-C\overline{N}$, $-\overline{O}H$

(d) Molecular rearrangements

(iv) conc. sulphuric acid/H₂SO₄





30 most important rxn

26. Complete the following choosing from the given options:

1×2

(greater, lesser, sodium carbonate, sodium hydrogen carbonate)

(a) The ionization enthalpy of beryllium is ____ than that of magnesium.

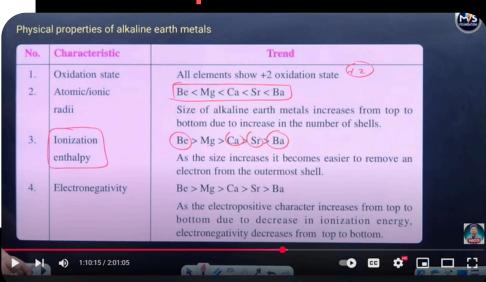
(b) Washing soda is prepared by recrystallization of _____.

निम्नित्वित रिक्त स्थानों को दिए गए विकल्पों में से चयन करके पूर्ण कीजिए : (अधिक, कम, सोडियम कार्बोनेट, सोडियम हाइड्रोजन कार्बोनेट)

(क) बेरिलियम की आयनन एन्थैल्पी, मैग्नीशियम की आयनन एन्थैल्पी से _____ है।

(ख) वाशिंग सोडा, के प्नःक्रिस्टलीकरण से बनता है।

capsule class



S Class 12th Chemistry Most Important Questions with Solutions | Pass 100% | NO Fail

29. State Hess's law of constant heat summation. Give an example to justify it.

2

 \mathbf{r}

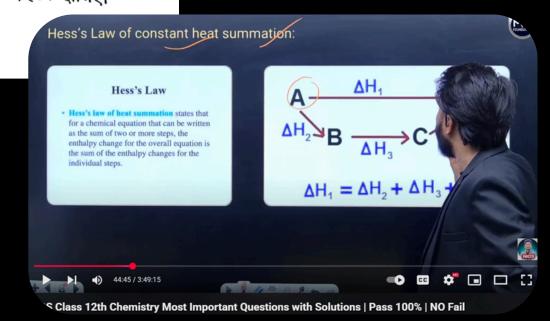
Define enthalpy of ionization. Give an example.

हेस का स्थिर ऊष्मा संकलन नियम व्यक्त कीजिए। इसकी सत्यता सिद्ध करने हेतु एक उदाहरण दीजिए।

अथवा

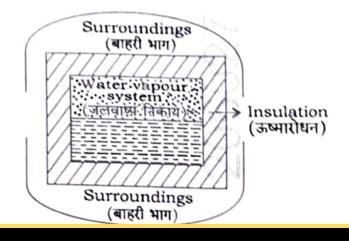
3rd marathon

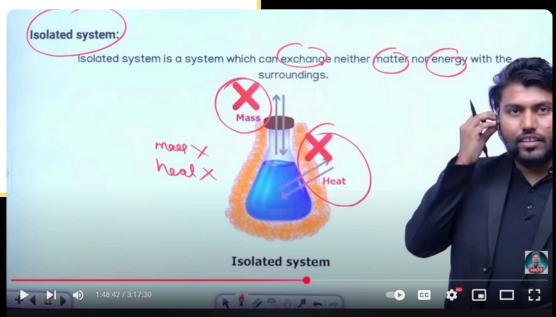




Identify the type of system in the given figure. Define it.

दिए गए चित्र में निकाय के प्रकार की पहचान कीजिए। उसकी परिभाषा लिखिए।

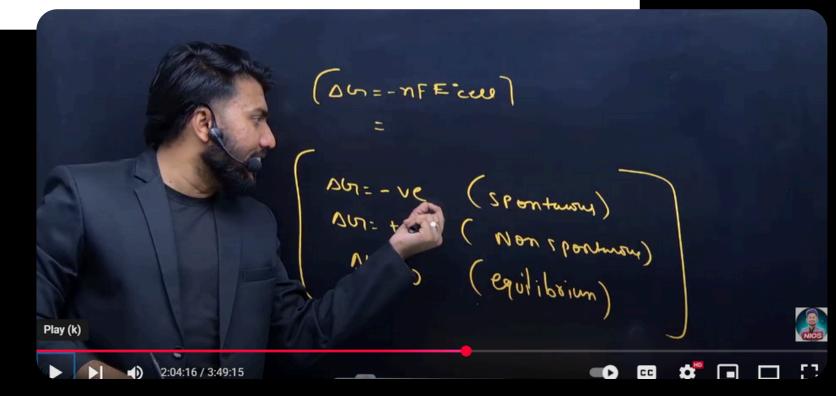




VIOS Class 12th Chemistry Most Important Questions with Answer | Tanday Batch Day 2nd

Write the expression for standard Gibbs' energy for the reaction occurring in a Daniell cell. Explain the meaning of all the quantities represented in it.

संक्षारण की परिभाषा दीजिए। कौन-सी पर्यावरणीय स्थितियाँ जंग लगने के कारण हैं? जंग लगने के दौरान होने वाले ऐनोडिक प्रक्रम और कैथोडिक प्रक्रम के लिए अभिक्रियाएँ लिखिए।

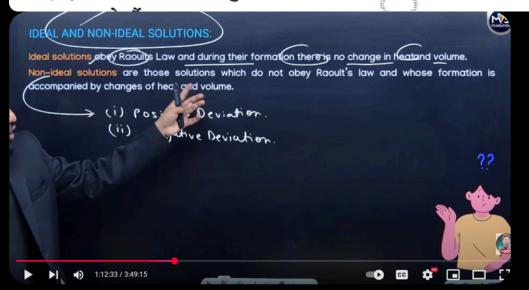


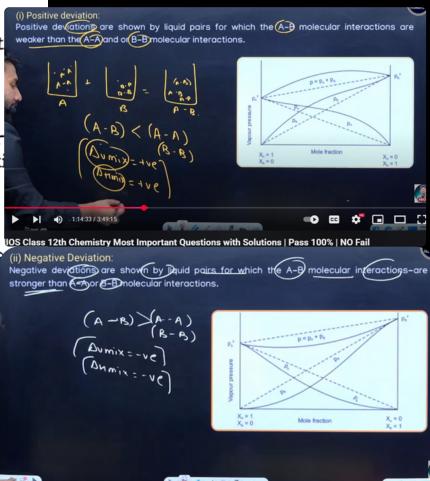
- o. (a) What are non-ideal solutions?
 - (b) What type of liquid pair shows (i) positive deviation and (ii) negat deviation from Raoult's law?

Or

Define colligative properties. Draw vapour pressure-temperature cur depicting the elevation of boiling point of a liquid when a non-volati solute is dissolved in it.

- (क) अनादर्श विलयन क्या होते हैं?
- (ख) किस प्रकार के द्रव-युग्म राउल्ट नियम से (t) धनात्मक विचलन और (ti) ऋणात्मक विचलन प्रदर्शि



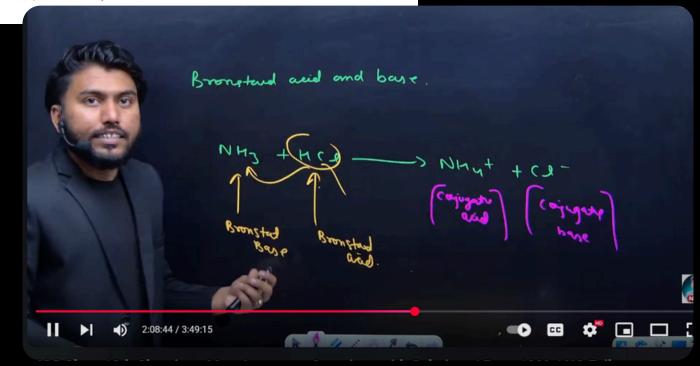


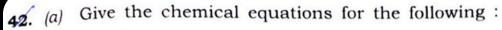
OS Class 12th Chemistry Most Important Questions with Solutions | Pass 100% | NO Fail

2

Mark the conjugate acid-base pair in the above reaction. Define it.

उपर्युक्त अभिक्रिया में संयुग्मी अम्ल-क्षार युग्म को चिह्नित कीजिए। उसकी परिभाषा लिखिए।

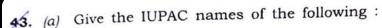




- (i) Clemmensen reduction
- (ii) Hell-Volhard-Zelinsky reaction
- (iii) Aldol condensation
- (b) (i) Which reagents are used to prepare acid anhydrides from carboxylic acids?
 - (ii) Write the chemical equation for the reaction involving the formation of a symmetrical acid anhydride.



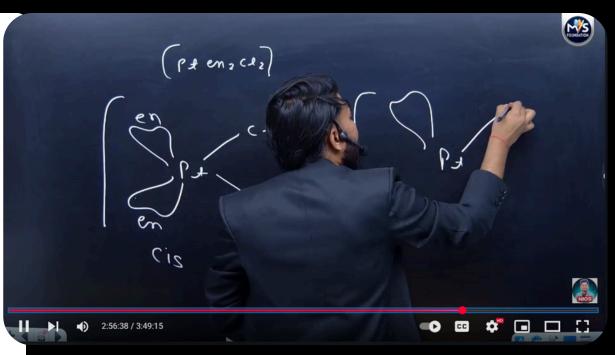
5



- (i) $[PtCl_6]^{2-}$
- (ii) K[Ag(CN)₂]
- (b) For the complex [CoCl₂(en)₂]⁺
 - (i) identify the number of geometrical isomers and draw their diagrams;
 - (ii) identify whether there are optical isomers also, if so, draw their structures.

Or

- (a) Write the isomers of the complex $[Co(NH_3)_6]^{3+}$ $[Cr(C_2O_4)_3]^{3-}$. Which type of isomerism is exhibited by it?
- (b) A solution of $[Ni(H_2O)_6]^{2+}$ is green but a solution of $[Ni(CN)_4]^{2-}$ is colourless. Explain. [Atomic number : Ni = 28]
- (क) निम्नलिखित के आइ० यू० पी० ए० सी० नाम दीजिए :
 - (i) [PtCl₆]²⁻



Set A

11. $A-B \rightarrow A \cdot + B \cdot$

The above reaction is an example of:

(A) Heterolytic fission

(B) Homolytic fission

(C) Ion dissociation

(D) Resonance

 $A-B \rightarrow A \cdot + B \cdot$

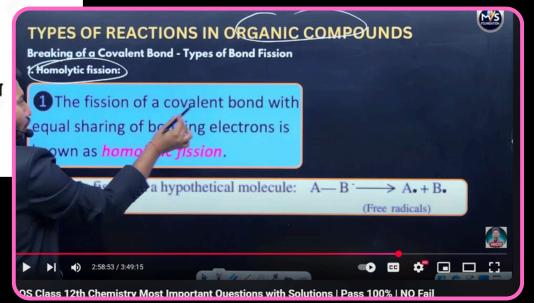
उपरोक्त अभिक्रिया एक उदाहरण है :

(A) विषमांगी विदलन का

(B) समांगी विदलन का

(C) आयन वियोजन का

(D) अनुनाद का



In the following reaction, the missing reagent is:

$$CH_3(CH_2)_5CHO \xrightarrow{?} CH_3(CH_2)_5CH_3$$
Heptanal Heptane

(B) Zn(Hg) + Conc. HCl

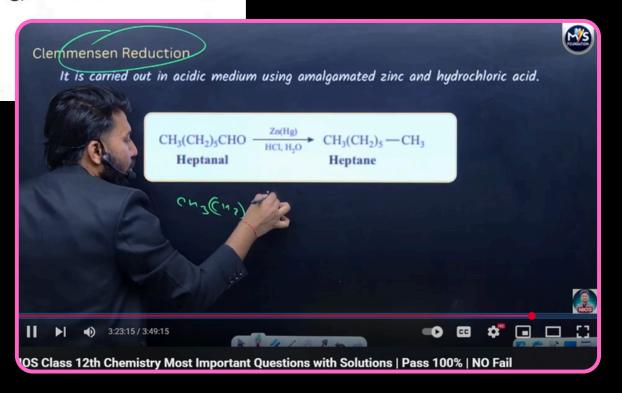
(C) Fe+Conc. HCl

(D) Fe(Hg)+Conc. HCl

निम्नलिखित अभिक्रिया में,

$$CH_3(CH_2)_5CHO \xrightarrow{?} CH_3(CH_2)_5CH_3$$

हेप्टेनॉल हेप्टेन

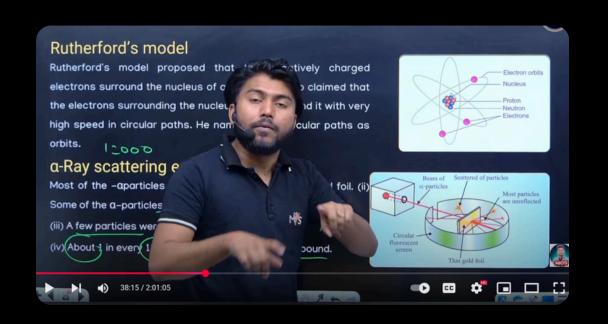


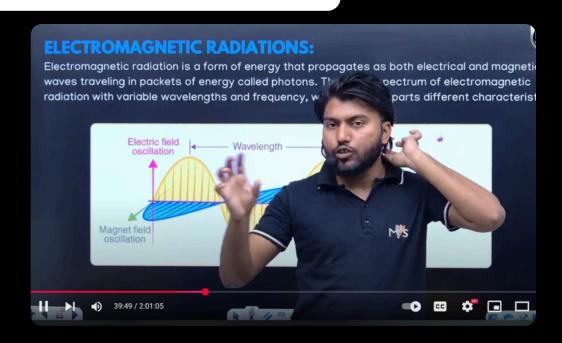
Complete the following by given options below:

(Electromagnetic radiation, electrostatic force, He²⁺, He⁺, H⁺)

(1) Energy which is transmitted through space in the form of electric and magnetic fields

(2) Alpha particles are _____ particles.





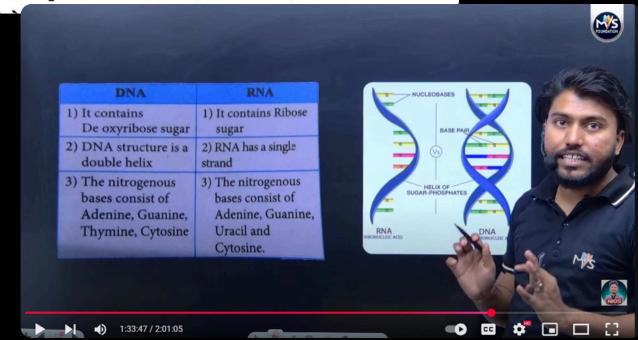
Read the passage given below and answer the following questions:

1x2=2

The nucleus of a living cell contains particles responsible for heredity, which are called chromosomes. They are composed of nucleic acids. DNA and RNA are the two types of nucleic acids. They differ in their chemical composition as well as functions.

- (1) List one point of difference between the composition of DNA and RNA.
- (2) What does the specific sequence of bases in DNA represent?

नीने दिया गाम मिले के कि कर



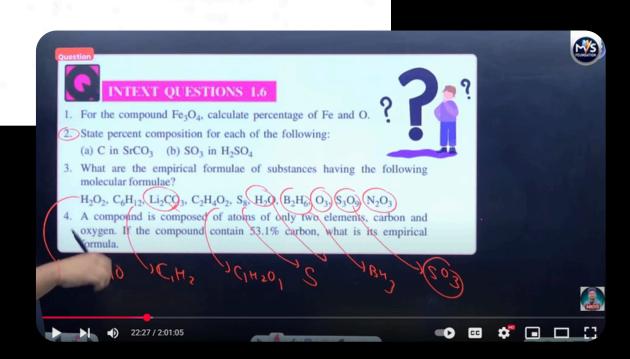
29. State percent composition of C in SrCO₃.

[Atomic mass: Sr = 87.6 u, C = 12.0 u, O = 16.0 u]

SrCO3 में C का प्रतिशत संघटन व्यक्त कीजिये।

[परमाणु द्रव्यमान : Sr=87.6 u, C=12.0 u, O=16.0 u]

OR / अथवा



2 /

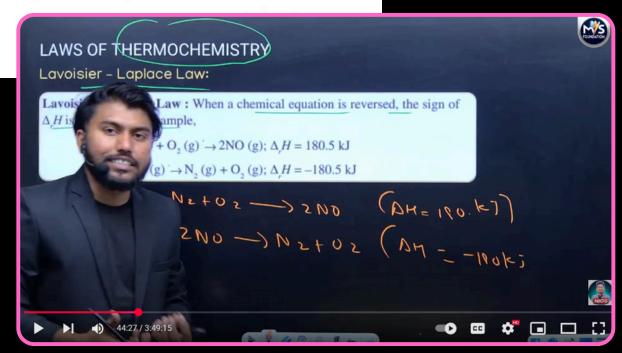
30. In the given reaction's chemical equation,

$$N_{2(g)} + O_{2(g)} \rightarrow 2NO_{(g)}; \Delta_r H = 180.5 \text{ kJ}$$

If the chemical equation is reversed, then what will be the sign of $\Delta_r H$? Which law governs this

process? State the law.

दी गई अभिक्रिया के रासायनिक समीकरण में,



32. Calculate enthalpy of the reaction:

$$2Na_2O_{2(s)} + 2H_2O_{(l)} \rightarrow 4NaOH_{(s)} + O_{2(g)}$$

Enthalpies of formation of NaOH $_{(s)}$, Na $_2$ O $_{2(s)}$ and H $_2$ O $_{(l)}$ are -426.4 kJ mol $^{-1}$, 504 kJ mol $^{-1}$ and -285 kJ mol $^{-1}$ respectively.

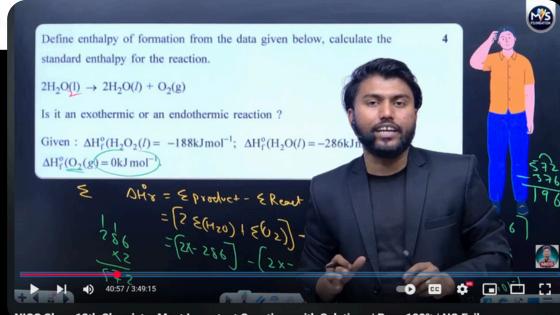
अभिक्रिया की एन्थैल्पी परिकलित कीजिये:

$$2Na_2O_{2(s)} + 2H_2O_{(l)} \rightarrow 4NaOH_{(s)} + O_{2(g)}$$

 $NaOH_{(s)}$, $Na_2O_{2(s)}$ और $H_2O_{(l)}$ की संभवन एन्थेल्पी क्रमश: $-426.4\,\mathrm{kJ}\;\mathrm{mol}^{-1}$, $504\,\mathrm{kJ}\;\mathrm{mol}^{-1}$ और

-285 kJ mol-1 表 i

OR / 3191811



NIOS Class 12th Chemistry Most Important Questions with Solutions | Pass 100% | NO Fail

Define molar conductivity of a solution. What are its units?

किसी विलयन की मोलर चालकता को परिभाषित कीजिए । इसके मात्रक क्या हैं ?

