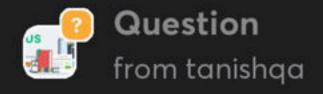


Course on Chemical Bonding for Class XI 2023



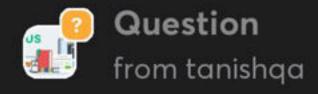
- In which of the following arrangements, is/are the sequence strictly according to the property written against them?
 - (a) $CO_2 < SiO_2 < SnO_2 < PbO_2$:

increasing oxidizing power

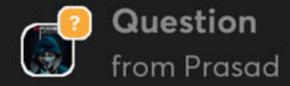
- (b) HF < HCl < HBr < HI: increasing acidic strength
- (c) $NH_3 < PH_3 < AsH_3 < SbH_3$:

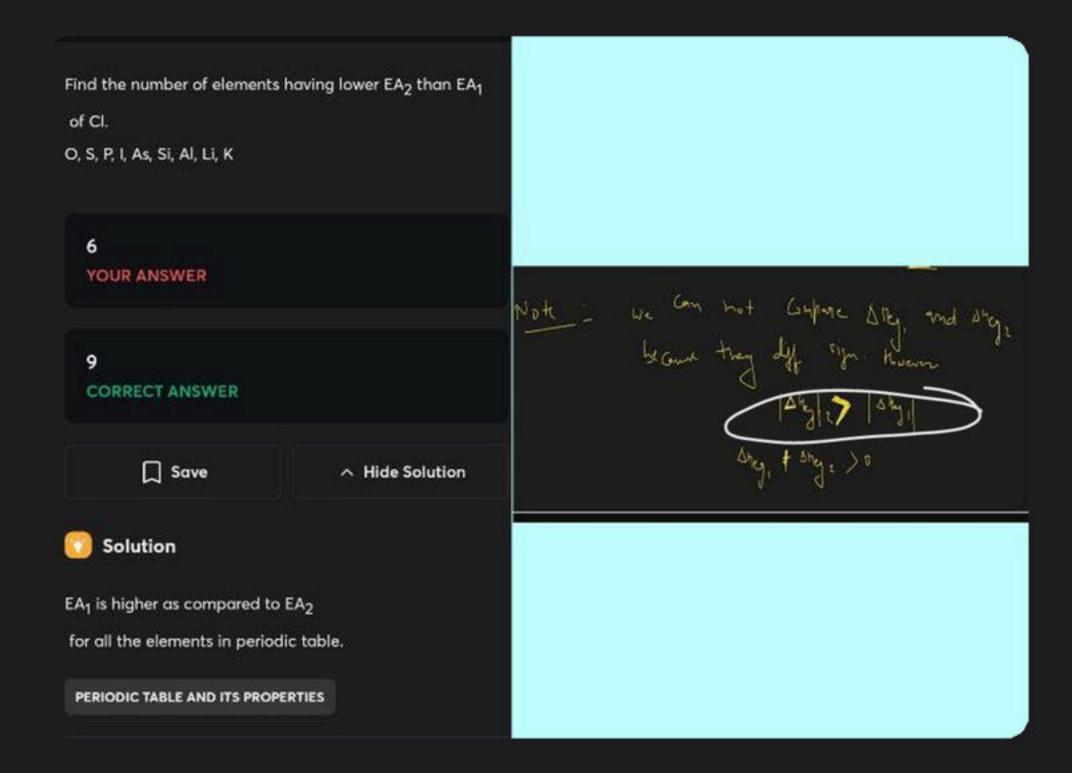
increasing basic strength

(a) B < C < O < N: increasing first ionization energy

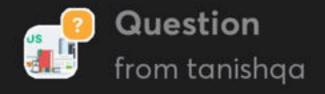


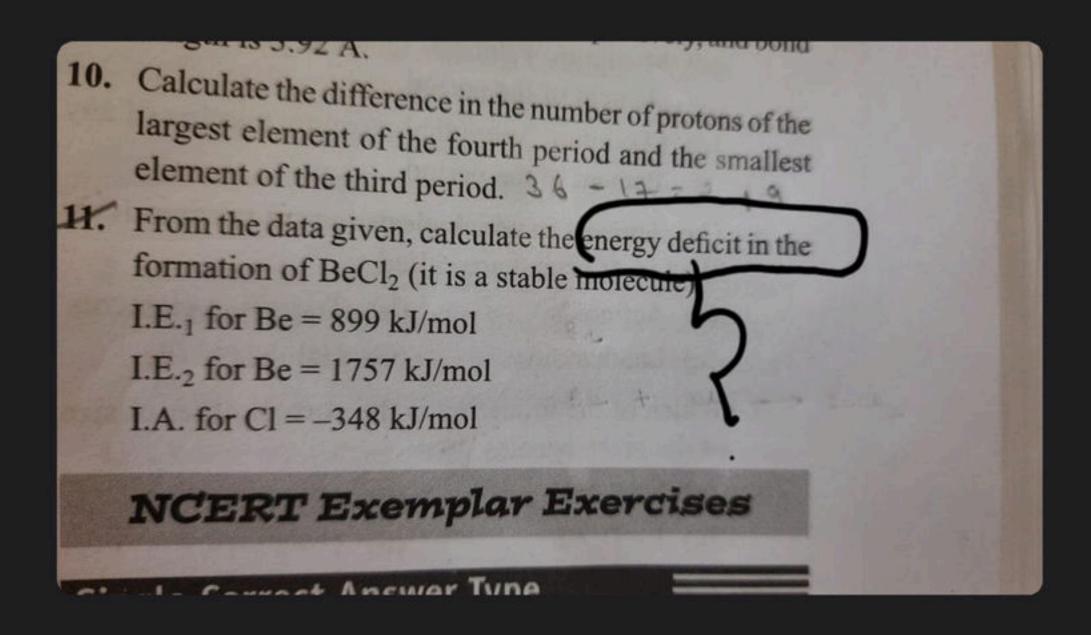
Periodic Table 8.13 Calculate the experimental bond moment (approximate, in debye) of the X—Y bond, if electronegativity of elements X and Y is 1 and 2.5, respectively, and bond length is 3.92 Å. Calculate the difference in the number of protons of the largest element of the fourth period and the smallest element of the third period. From the data given, calculate the energy deficit in the formation of BeCl₂ (it is a stable molecule).

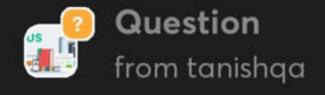


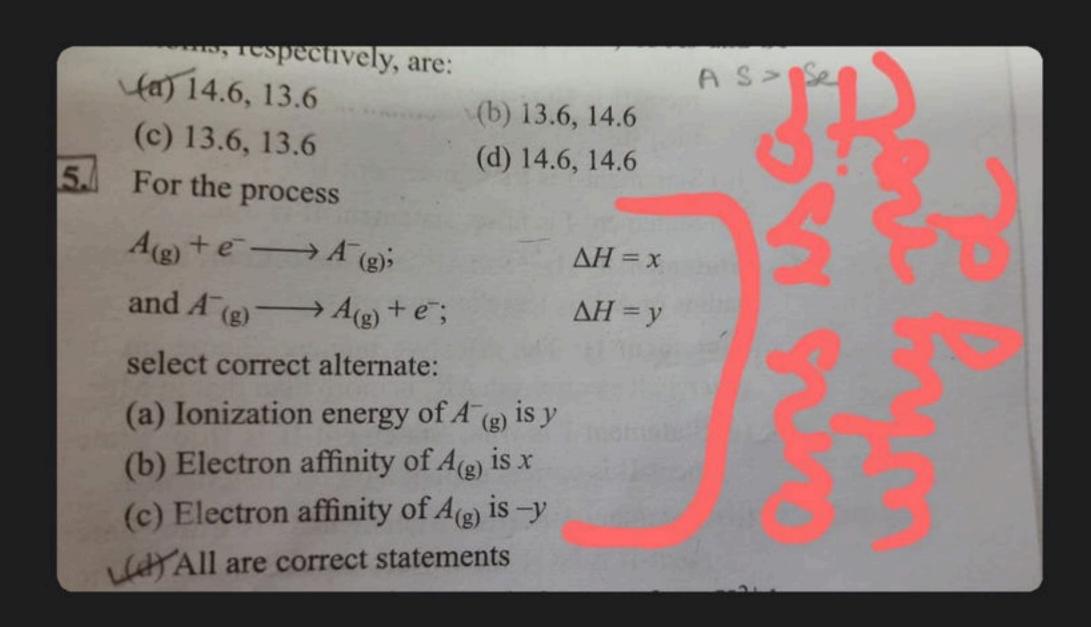


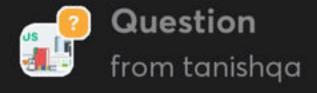


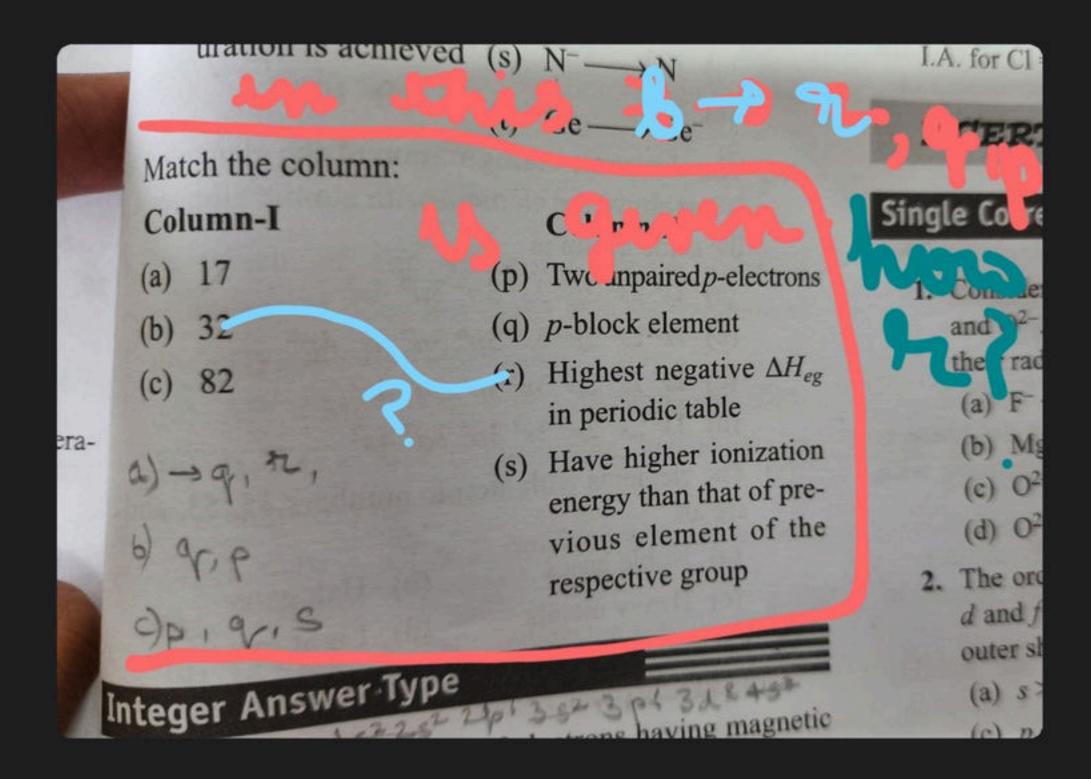


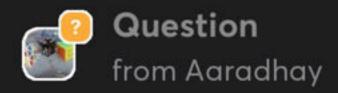




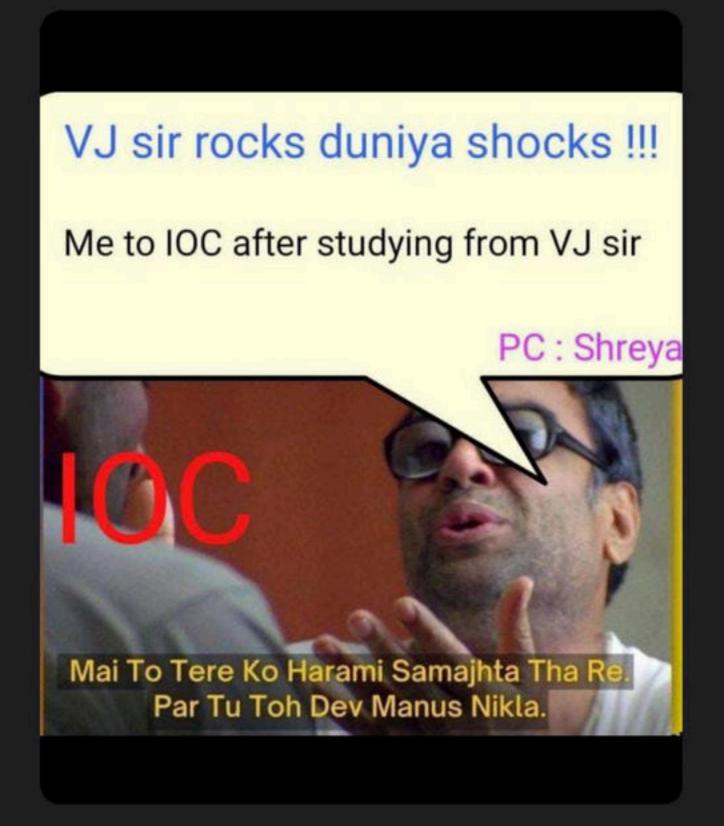


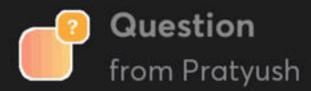






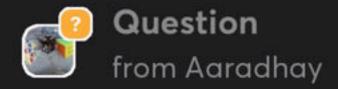
Sir just for fun , pls don't be offended





Net pe mila

vj 2.0 linguistic vj sir (vj 3.0)

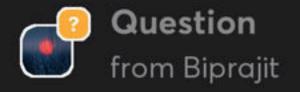


Please don't take it as wrong sir :)

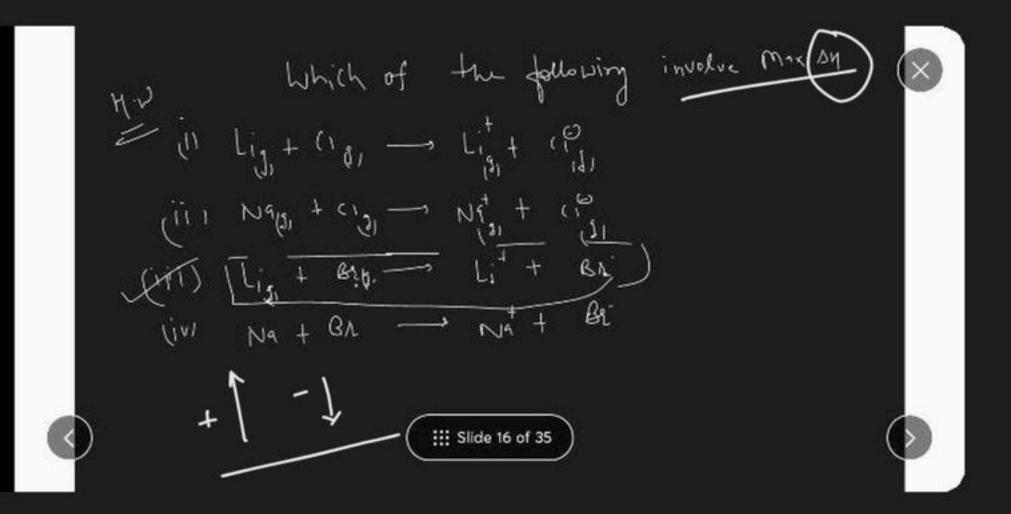


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Hysioy 4+x+4(-2)=0 4+x+4



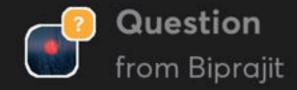
SIR YEE QUESTION KA SOLUTION HW THA LAST COURSE KE LAST CLASS ME



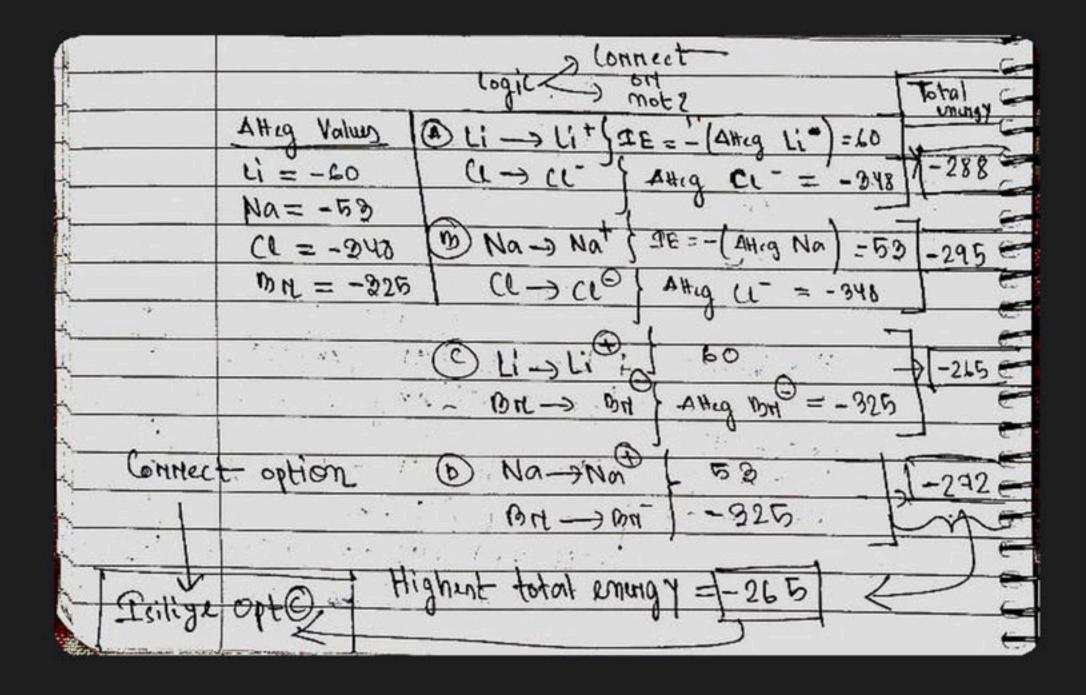


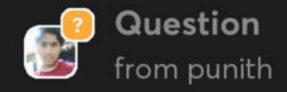
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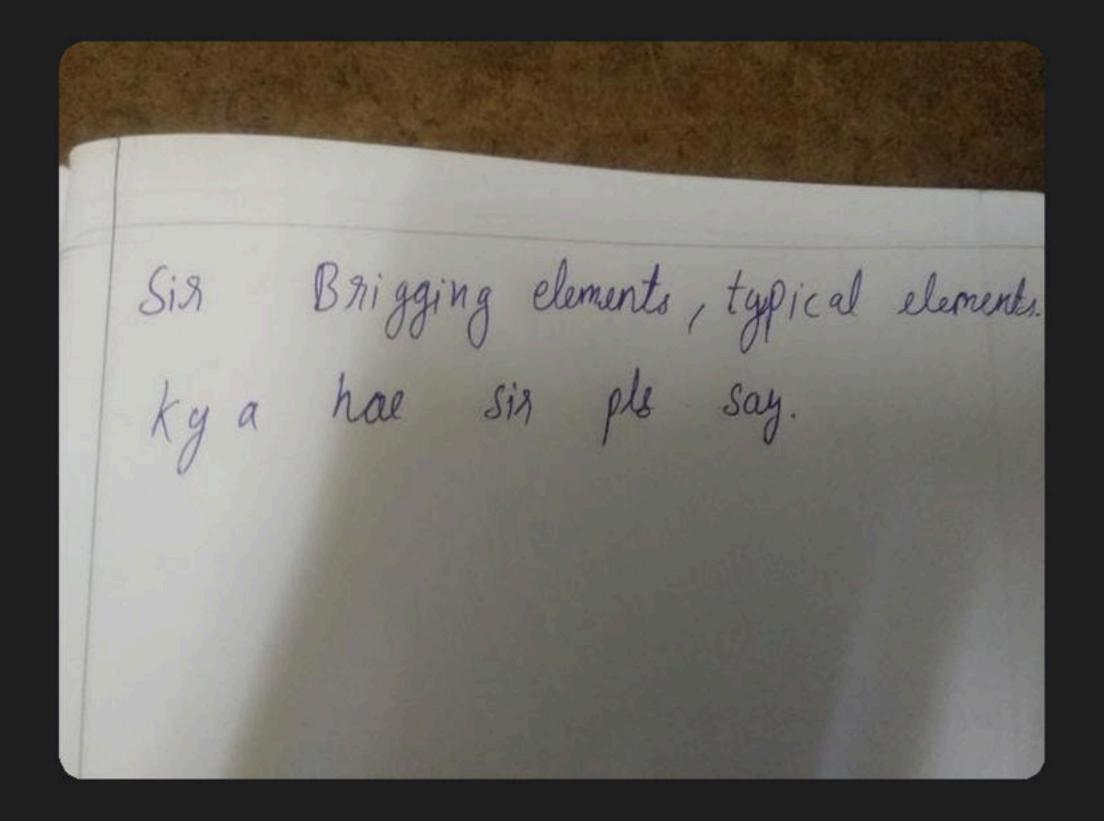
2 2	(A)	Ge	61	4	-			
	(B)		Si	As	Sn	Ga		
		Te	Se	I	Po	Sb		
	(C)	Sb	As	Te	Bi	Sn		
	(D)	In	Ga	Sn	TI	Cd		
5.	In which of the following pairs, the first atom is larger than the second?							
	(A) B		(B) Na, Mg		(C) Sr, Ca			
6.	Find t	he correct of	rder of 2nd ionis	sation energy?				
		l > Mg	(B) Cr > Cr		(C)P > S	(D) S > Cl		
7)	The su	m of IE ₁ an	d IE ₂ , IE ₃ and II	E4 for element	P and Q are g	iven below:		
	(P)	IE ₁ + IE ₂ 2.45		IE ₃ + IE ₄ 8.82				
	(Q)	2.85		6.11				
	Then according to the given information the correct statement(s) is/are: (A) p ²⁺ is more stable than Q ²⁺ (B) p ²⁺ is less stable than Q ²⁺							
المر	con 4+				(D) p ⁴⁺ is less stable than Q ⁴⁺			
3'	Electron affinity of the elements or ions shown correctly?							
	INISS	0	(B) P > N	(C)	0->5	(D) N > P		
0.92	Raices	Gandhi Na	gar, Kota (Raj.)	Mob. 97831-9	7831, 70732-2	2177, Ph. 0744-2423333	65	
0. 32	Ep		Online Pa	artner unacado	emy			
9	19/1 - 1					THE RESERVE OF THE PARTY OF THE		



KYA YEE LOGIC SAHI HAI?

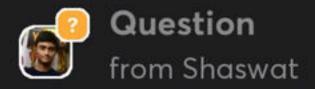




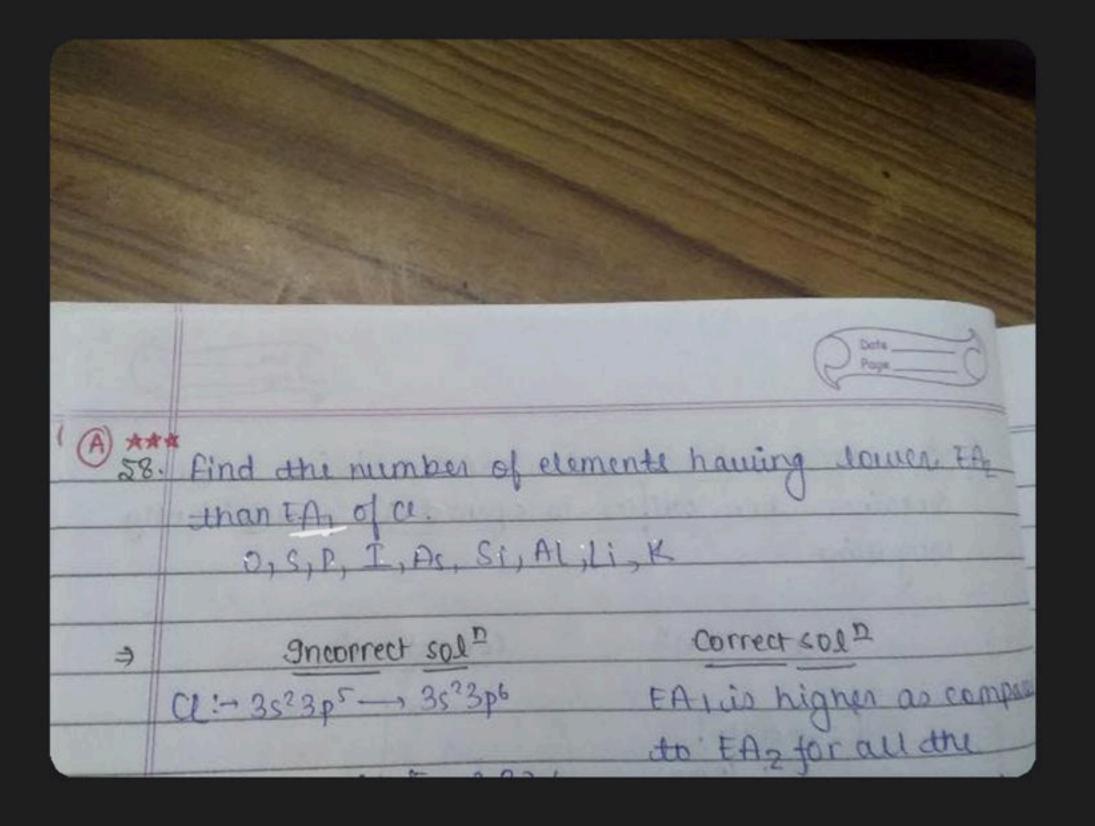


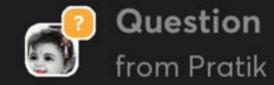
Phidge ekment =>

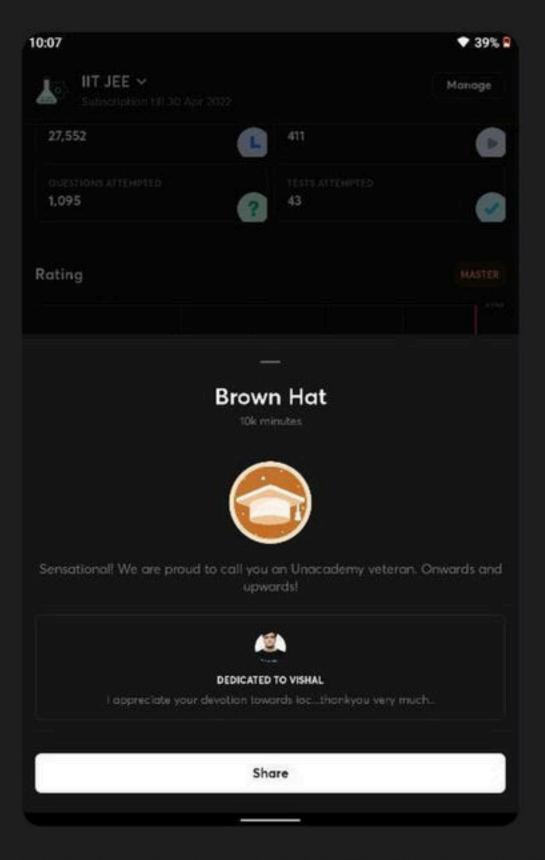
Ng Al



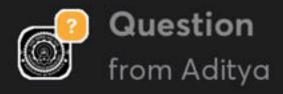
TEST QUESTION SIR BHEJA H PLS CHECK



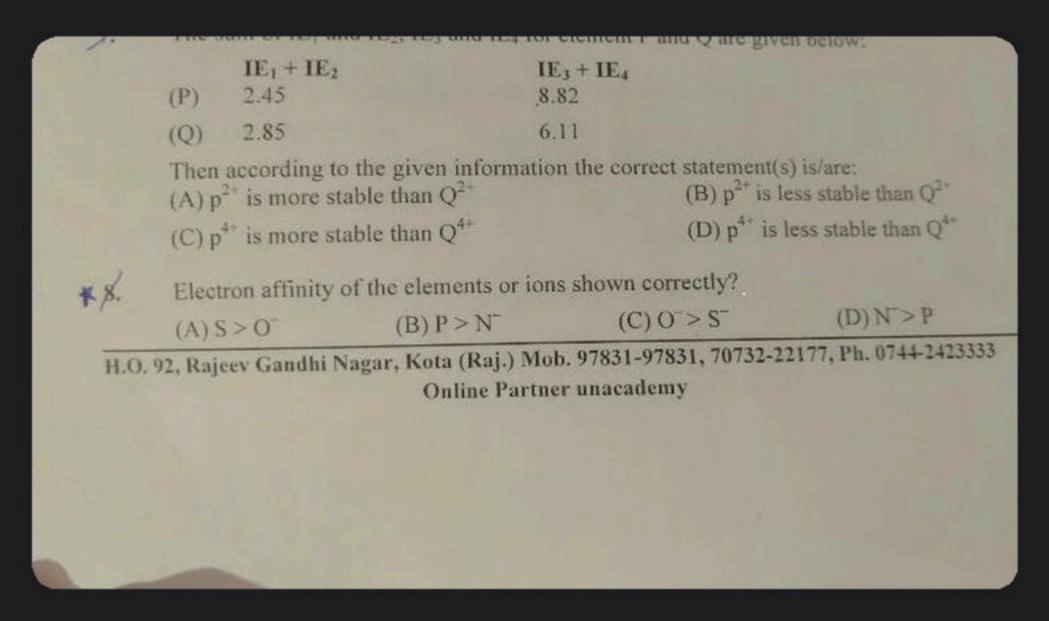




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Iske C option ko kaise check kare



Lewis dot st mitme

n= total hymher of Val-e-g all atoms + no of-ive (horge - no of tive Charge 7 = 8 x all otherstorms + 2x mo g 4 atom n= no. of bonds) $\frac{\eta_{4}-\eta_{7}-\eta_{3}}{2}=\frac{\eta_{4}\eta_{5}}{\eta_{5}\eta_{5}}=\frac{\eta_{5}\eta_{5}\eta_{5}}{\eta_{5}\eta_{5}}$ ftornal (harge = $V - \frac{S}{2} - U$ $V = Val - e^{-}$, $S = Shared e^{-}$, $U = UnShared e^{-}$

Rules for drawing lewis structure in () Select the central atom ((.A) - least E.N atom q(to a) Central atom 2x Cept_H (2) If E.N of atoms are same than atom which has higher covaloncy in ground state 7th as Central atom. N=4 N= 2522 3 [1/1/1] 4- 35² 3p⁵ 11/1 1 = 1 Gr.s Coralency = 3

(0 (
$$\frac{1}{2}$$
 $\eta_{1} = 4 + 6 + (1 \times 2) = 24$
 $\eta_{2} = 8 \times \text{all other atoms}$
 $= 8 \times 4 = 32$
 $\eta_{3} = - \eta_{2} - \eta_{1} = 32 - 24 = 8$
 $\frac{\eta_{3}}{2} = \frac{1}{2} = \frac{1}{2} \cdot (3 \times 1)$
 $\eta_{4} = \eta_{1} - \eta_{3} \quad 2 \cdot \eta_{2} = 8$
 $\eta_{4} = \eta_{1} - \eta_{3} \quad 2 \cdot \eta_{2} = 8$
 $\eta_{4} = \eta_{1} - \eta_{3} \quad 2 \cdot \eta_{2} = 8$
 $\eta_{4} = \eta_{1} - \eta_{3} \quad 2 \cdot \eta_{2} = 16$
 $\eta_{4} = \frac{1}{2} = \frac{1}{2} \cdot (8 \cdot 1)$

$$f \cdot (of (= 4 - 8 - 0 - 0))$$

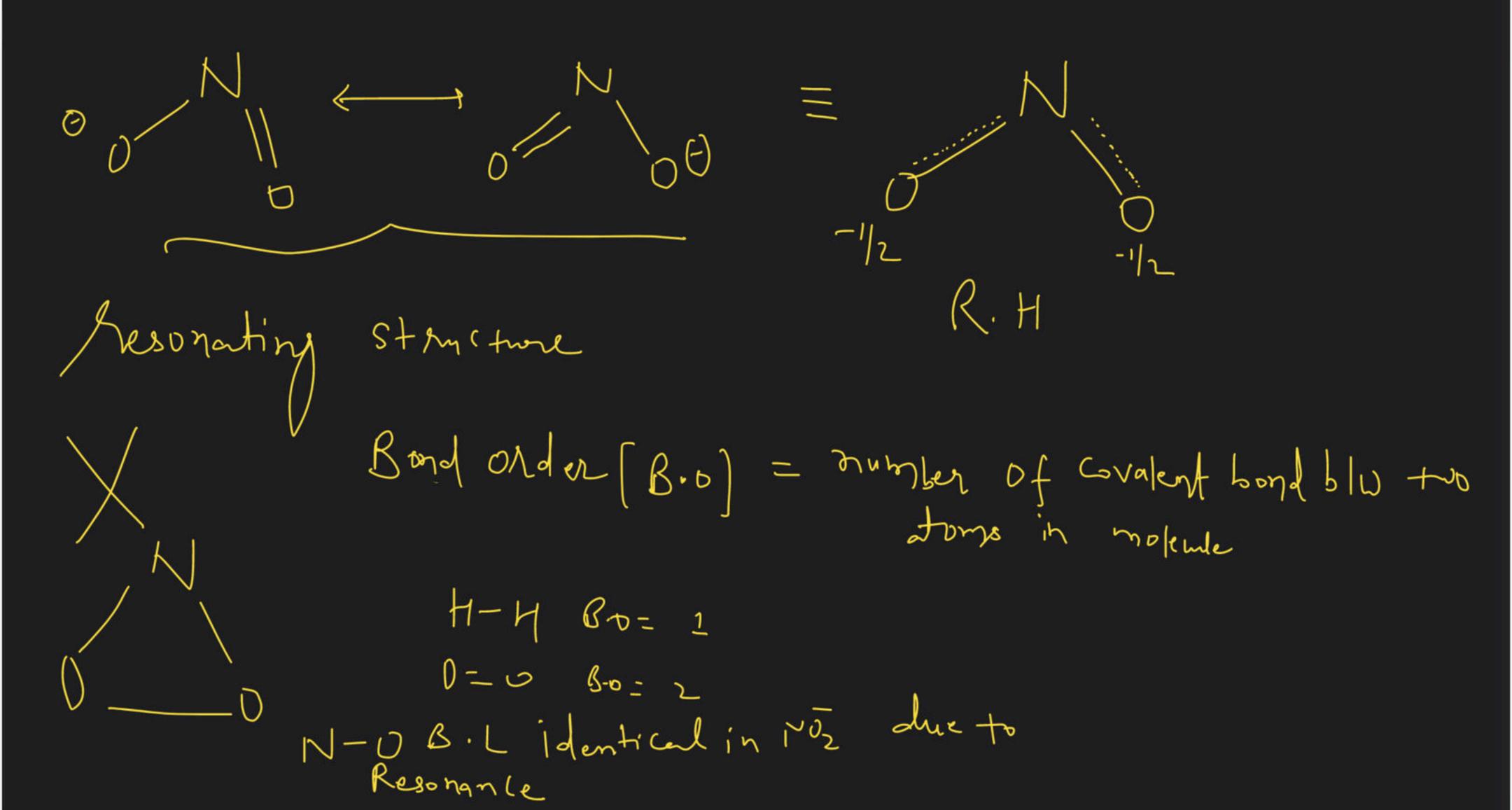
$$f \cdot (of (= 7 - 2 - 6 = 0))$$

$$f \cdot (of 0 = 6 - 4 - 4 = 0)$$

$$ds)$$

$$f.con p = 5 - \frac{1}{2} - 2 = 0$$

 $f.con p = 6 - 2 - 6 = -1$
 $f.con p = 6 - 4 - 4 = 0$



B.D = total number of bonds 510 two atoms in R.s.

$$N_{0}^{-1}$$

$$\delta_{1} = 5 + 3 \times 6 + 1 = 24$$

$$\delta_{1} = 8 \times 4 = 32$$

$$\frac{1}{2} = \frac{8}{2} - 4$$

$$\frac{1}{2} = 8 \left[\text{Number of 1.P} \right]$$

$$\frac{1}{2} = 8 \left[\text{Number of 1.P} \right]$$

$$\frac{1}{2} = 8 \left[\text{Number of 1.P} \right]$$

$$= 1$$

 $B_0 = \frac{4}{3} = \frac{1.33}{=}$

all N-0 B.L I dentical due to Resonance

