Fee Academy

2.1 Primary interaction.

, , , , , , , , , , , , , , , , , , , ,			711.621			
The bond in betw	een two atom	s becomes	ionic, r of electror	18.	electro	ns.
1) who two atom 2) when two atom 3) when one or n	is shear, one o	or more par rether by st	atic electric	forces di	ue to electron other atom.	
				en to the	other areas	
4) when two ator	ms exchange	their electr	ons.	forces.		(1981)
4) when two ator5) when the two	atoms are hel	d together	0)	orces.	-	
Metals have ver		The second second second second	Since meta	als ionize	d casily.	(1982)
conductivities.						
The true statemen	at to recording	, ionic and	covalent co	mpound	s is/arc	
a) Covalent con	mounds nevel	r exhibit ve	ry high boi	ling poin	ts. Lunus gain t	he noble gas
a) Covalent comb) The more ele	ctropositive	itoms in a	covalent me	olecule a	iways gam .	ino more gain
electronic con	nfiguration.		1 1	nound al	ways gain t	he noble gas
electronic cor c) The most ele	etronegative	atom in ar	i ionic com	pound a	,	
d) Without any	nfiguration.	Sam matal	non metal	ls form ic	onic compou	ınds.
d) Without any	contribution i	rom metat	s, non me			(1988)
Metals are good	conductors as					
1) Metals are ele	ectropositive			100	1000	and the second
2) Metals have a	A300					
3) Metals have a	lower electr	on affinity	•			
4) Metals have a	mobiles elec	trons.				(1989)
Metals have a						No.
The formula of t	he oxide that	t shows th	e highest o	xidation	stats formed	d from atomic
	MO_2	3) M ₂ O ₅	4) MO	3	5) M ₂ O ₇	(1990)
Which bond has	the maximun	n ionic cha	racteristics'	?		
			r 4) N -		5) O-H	(1990)
	Acata alastai	alter vame	The sleet	trangasti	valu diffan	maa habwaan
Liquid HF con	ducts electri	city very	H and F is		very differe	(1996)
well			Tranur i	a mgn		(1990)
Which one of the	following co	mpounds	has the hig	hest ioni	c character?	, <i>in the second second</i>
	HF	3) LiBr		RbCl	5) HI	(1997)
1) Lie.		,	.,.		3)111	17.00
The specific hea	at capacity o	of liquid	In liquid	water	strong inte	raction occur
water is anomalo			between H	2O mole	cules	(1997)
						130
The molecules (C	CH ₃) ₃ P and A	AlCl ₃ form	a coordin	ates con	pound in the	ne mole ratio o

1:1. In this compound the bond between the P atom and the Al atom,

1) can be shown as P = Al

2) can be shown as P' = Al'

3) can be shown as P = Al* 5) can be shown as P -> Al

4) can be shown as P ← Al

In the valence shell of the Si atom in the [SiF ₆] ²⁻ atom, there are, 1) 2 electrons 2) 4 electrons 3) 6 electrons 4) 10 electrons 5) 12 elec	trons
Which of the following statements concerning the process of the formation bond between BF ₃ and N(CH ₃) ₃ are / is true?	
(a) It could be assumed that initially an electron is temperately transferred fro atom to the B atom	m the N
(b) It could be assumed that initially an electron is temperately transferred fro	m the B
(c) The B atom supplies a pair of electrons for the ionization of the bond (d) the N atom supplies a pair of electron for the formation of the bond	(1999)
The element most likely to form a diatomic molecule in the gaseous state is, 1) Ne 2) Zn 3) Na 4) Ca 5) Ar	(2000)
The products of dissociation of HOBr are most unlikely to be,	
1) H and OBr 2) OH and Br 3) HO and Br 4) HO and Br 5) H and OBr	(2002)
The electronic configuration of the valence shell of the element that has tendency to form a diatomic molecule is	the least
	(2002)
Which one of the following would represent the formation of covalent bonds? 1) A non-metal taking electrons from a metal	
2) A non metal taking electrons from another non metal	
A metal giving a pair of electrons to a non metal A non metal giving a pair of electron to a metal	
	(2002)
The electronic configuration of the element that from the most covalent bond	with Z is,
1) $ns^2 np^1$ 2) $ns^2 np^2$ 3) $ns^2 np^3$ 4) $ns^2 np^4$ 5) $ns^2 np^5$	(2003)
Atoms of four different elements A, B, C and D have electro negativities as for $A = 3.8$ $B = 3.3$ $C = 2.8$ $D = 1.3$	llows,
If these elements form the molecules AB, AD, BD and AC the order of in	creasing
1) BD < AC < AB < AD 2) AD < BD < AC < AB 3) AB < AC < BD) < AD
4) AC < BD < AB < AD 5) AD < BD < AB < AC	(2003)
Which of the following statement(s) is/ are true regarding the formation of chemical bond?	- 1
•	er orbital
(b) In involving the overlap of an orbital having two electron with another	er orbital
(c) In involving the overlap of an orbital having two electron with another without any electron	er orbital
	Which of the following statements concerning the process of the formation bond between BF3 and N(CH3)3 are / is true? (a) It could be assumed that initially an electron is temperately transferred fro atom to the B atom (b) It could be assumed that initially an electron is temperately transferred fro atom to the N atom (c) The B atom supplies a pair of electrons for the ionization of the bond (d) the N atom supplies a pair of electron for the formation of the bond The element most likely to form a diatomic molecule in the gaseous state is, 1) Ne 2) Zn 3) Na 4) Ca 5) Ar The products of dissociation of HOBr are most unlikely to be, 1) H* and OBr* 2) OH* and Br* 3) HO* and Br* 4) HO and Br 5) H and OBr The electronic configuration of the valence shell of the element that has tendency to form a diatomic molecule is, 1) s¹p0 2) s²p0 3) s²p3 4) s²p4 5) s²p5 4 Which one of the following would represent the formation of covalent bonds 3 A non metal taking electrons from a metal 2) A non metal taking electrons from another non metal 3) A metal giving a pair of electrons to a non metal 4) A non metal giving a pair of electrons to a metal 5) A metal and non metal sharing electrons The element Z has the electronic configurationns² np³ The electronic configuration of the element that from the most covalent bond 1)ns² np¹ 2)ns² np² 3)ns² np³ 4ns² np⁴ 5)ns² np⁵ Atoms of four different elements A, B, C and D have electron negativities as for A = 3.8 B = 3.3 C = 2.8 D = 1.3 If these elements form the molecules AB, AD, BD and AC the order of in covalent character in these molecules AB, AD, BD and AC the order of incovalent character in these molecules AB, AD, BD and AC the order of incovalent character in these molecules AB, AD, BD and AC the order of incovalent character in these molecules AB, AD, BD and AC the order of incovalent character in these molecules AB, AD, BD and AC the order of incovalent character in these molecules aB, AD, BD and AC the order of incovalent character in t

		is lager than the n	itrogen
20)	PCl ₅ exists but NCl ₅ does not	The phosphorus atom is lager than the n	(2003)
20,	I CIS EXISTS DULLINCIS GOES HOT	atom	can be
		LI bond III the	(2005)
21)	The properties of one N – H bond in the NH ₄ ion are different from	One N - H bond in the NH ₄ ⁺ ion identified as a co-ordinate bond.	(2003)
	in the NH4 ion are different non	(Control of the Control of the Contr	
	those of the other three is		
	bonds.	element (X) that forms a diatomic (X ₂)	with the
The second		element (X) that Ionns a diagram	

The electronic configuration of the element (X) that forms a diatomic (X2) with the 22)

highest bond energy is,

1) $1s^2 2s^2 2p^6 3s^1$

2) $1s^2 2s^2 2p^4$ 5) $1s^2 2s^2 2p^2$

3) $1s^2 2s^2 2p^3$

(2009)

- 4) $1s^2 2s^2 2p^1$
- Which of the following statements is/ are true about metals? 23)

(a) They conduct electricity.

- (b) The density of all metals is higher than that of water.
- (c) The react with dilute acids always liberating H2 gas (d) Majority of the elements are metals.

(2009)

24) LiF has more covalent character than LiF.

When the cation is small and / or has a high charge, it has a high polarization power. (2011)

2.2 Geometrical arrangements of molecules and ions.

- Since as C atom has two single electron paires. CO₂ molecule is angular shape. 1)
- The shape of BeCl₂ is, 2)
 - 1) Planar
- 2) Angular
- 3) Triangular
- 4) Linear

5) Non of the above

(1981)

- The diagram showing valence electron in H2S molecule is given below. Expressed by 3) this is,
 - (a) Sulphur can exhibit only 2 and 4 valancies.
 - (b) The total number of electron in the molecule.
 - (c) The number of bonded electrons in hydrogen.
 - (d) The number of bonded electrons in sulphur.

The arrangement of atoms connected to nitrogen atom in the complex molecule BCl₃NCl₃ is,

1) Planar

- 2) Distorted Tetrahedral
- 3) Octahedral

- 4) Distorted octahedral
- 5) None of the above

(1981)

(1981)

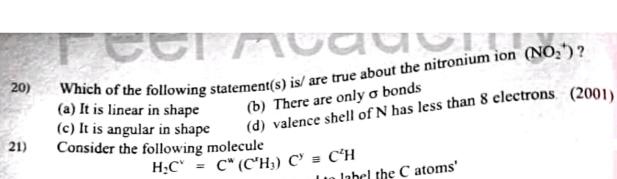
- The shape of PCl is,
 - 1) Trigonal bipyramidal
- 2) Distorted Tetrahedral geometry
- Octahedral
- 4) Hexagonal
- 5) None of the above

The number of pairs valance electrons around the central atom of BCl3 is,

- 2) 4
- 3) 3
- 4) 6
- 5) None of the above

(1981)

BF ₃ molecule has	a similar shape to		number of (1982)
		pairs of bonded electrons.	(1962)
The molecule that	has the pyramidal sh	ape is,	1.1. do
1) water 4) Carbon tetrachl		Ammonia 3) Berallium	(1983)
+) Carbon tetracm	onde 5)	Boron trichloride	(1985)
The shape of the H	₂ S molecule is,		
1) Linear	2) Angul		
4) Triangular	5) None	of the above	(1985)
The true statement	regarding BF ₄ anion	n is,	
1) It is planar	2) It is te		
4) It is octahedral	5) None	of the above	(1987)
The chane of the or	ationic species PCI+4	in	1
1) Planar	2) trigonal pyam		al
4) tetrahedral	5) none of the ab		(1991)
			ot (1000)
H ₃ O ⁺ is planar		There are three $O - H$ bonds in H_3	O ⁺ (1992)
The shape of the ca	ationic species PCI+4	is	
1) Planar	2) trigonal pyam		al
4) tetrahedral	5) none of the ab	ove	(1993)
The PF ₃ molecule	is planar	In PF ₃ phosphorus is trivalent	(1994)
	: pp+:		10-5
The shape of the sp		palanar 3) tetrahedral	
 planar trigonal bipyran 	2) square	f the above	(1996)
		Time doore	(1990)
The shape of the P			
1) is planar			octahedral
4) is tetrahedral	5) is trigonal bip	yramidai .	(1997)
Which one of the	following statement	ts concerning the shape of the C	103 anion is
most appropriate?			
1) It is tetrahedral		2) It is planar	892
It takes the shap		 It is trigonal pyramidal 	GN
5) It has the shape	of the SO ₃ molecule		(1998)
Which one of the	following species h	as a shape that shows close sim	illaries to the
shape of the ammo			43
-	OCl ₂ 3) COCl ₂	4) CO ₃ 5) BF ₃	(1999)
Which of the follow	ving statements/ stat	ement concerning atomic orbitals	/ :
		bond is always formed	are / is true
•	-	•	
		rbital, a σ - bond is a π - bond car	n be formed
		bond is always formed	
d) s and p - orbita	is taking part in nyo	ridization should belong to the sai	STATE OF STA
	A STATE OF THE STATE OF	的重要的 自然是自然的最大的全面是可能	(2000)



The superscripts v, w, x, y and z are used to label the C atoms'

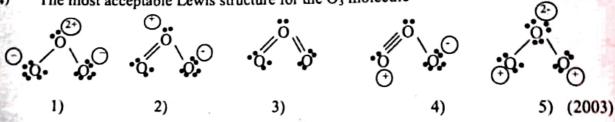
Which of the following statement(s) is / are true?

- (a) C^y C^w C^x angle is approximately 120°
- (b) All the C atoms of this molecule lie on the same plane.
- (c) All the H atoms this molecule lie on the same plane.

(2001)

- (d) The carbon atoms C^v, C^w, C^y and C^z lie on a straight line.
- SO₄² The ion/ molecule which has a shape significantly different from the SO₄² ion 22) (2002)
 - NH₄⁺
- 2) BCl₄-
- 3) SF₄
- 4) S₂O₃²⁻
- 5) CH₄

- The molecule that has a shape similar to that of ion ICl₂ is, 23) (2003)5) HOCI 4) H₂S 3) BeCl₂ 1) SO₂ 2) O₁
- The most acceptable Lewis structure for the O3 molecule 24)



- Noble gas xenon forms a covalent compound XeF4. The likely geometry of XeF4 is, 25)
 - 1) tetrahedral
- 2) square planar
- 3) octahedral

- 4) trigonal pyramid
- 5) see-saw

- (2003)
- The molecule ion that has a shape different to that of the PO₄³⁻ ion is, 26)
 - 1) POCl₁
- 2) SiCl₄
- CH₄
- 4) ICl₄
- 5) SO₄2-
- (2004)
- Which of the following molecules has four atoms in a single phase? 27)
 - 1) SF₄
- 2) BCl₃
- PCI₁
- 4) NH₁
- 5) SiH₄
- (2004)

$$CH - C \stackrel{c}{=} C - CH_2 - CH \stackrel{d}{=} CH_2$$

Which arrangement gives the correct increasing order of bond lengths, of the bonds labelled a, b, c and d in the following molecule?

- 1)a<b<c<d
- 4) c < d < a < b

- 2) a < c < b < d
- 5) d < c < b < a
- 3)c<a<d<b

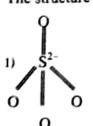
- 1	Trees.										
29)	ICl ₂ and NO ₂ are both linear in shape	Molecules/ ions that have the same number atoms generally have the same shape (20	er of 004)								
30)	The valency and oxidation number o	of the central atom in S ₂ O ₃ ²⁻ ion are respective	ely.								
	1) 2 and +4 2) 4 and +6 3	6) 6 and +4 4) 6 and +2 5) 4 and +4 (2	2005)								
31)	The shape of the BrF ₅ molecule is 1) trigonal bipyramidal										
	4) tetrahedral	5) none of these (20	005)								
32)	For the species NO ₂ , NO ₂ and NO ₃	the correct order of the bond angles is,									
	1) $NO_1 > NO_2 > NO_1^*$ 2) NO	$0.5^{\circ} > NO_{2} > NO_{3}^{\circ} > NO_{3} = NO_{3}^{\circ}$	0,								
	4) $NO_2^+ > NO_2^+ > NO_2^-$ 5) NO	$O_2^* > NO_2^- > NO_2$ (20)	005)								
33)	Of those given below, the possible c any two atoms is	combination of bonds that can be formed between	veen								
	1) two σ bonds and one π bond.	2) one σ bond and one π bond.									
	3) one σ bond and one π bond.	4) three π bonds.									
	5) two σ bonds	(29	005)								
34)	ICI: ion is tetrahedral	There are four repulsion units around the io	dine								
	ICI ion is tetrahedral.		05)								
35)	Which one of the following pairs con	ntains species with different shapes?	1,3								
		O_4^{3-} , $S_2O_3^{2-}$ 3) NO_3^{-} , SO_3^{-}									
			006)								
36)	The arrangement of electron pairs around Sb atom in SbF ₄ ²⁻ is,										
,		re pyramidal. 3) trigonal bipyramida	al.								
		tagonal pyramidal. (2007)									
37)	In which of the following do the two 1) SO ₂ and NO 2) NO and CO		O₂ 2007)								
38)	Each bond angle in the molecule.	The carbon atom in this molecule is hybridised.	sp ³								
- 4											
	C.										
	a i										
	Br										
	is equal to 109.50°	(2	2007)								
39)		which one has a shape different from the shap	e of								
/	the others?										
1000	1) SO ² 2) S ₂ O ₃ ²	3) PCl ₄ 4) NH ₄ 5) SF ₄ (20	(800								
201	自己的人。 第二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十	成。但是是一种自己的人们也是一个人的人们	- 400								

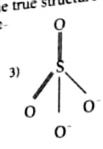
- Among the following the molecules/ ions having the shape are,
 (A) NU 3) A, B and E

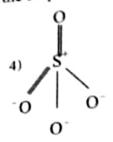
- 40)
- (B) H₃O^{*}
- 2) C and D

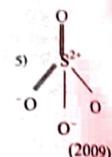
(2009)

- (A) NH₃ 1) A and C
- 5) B and C
- The structure which is closest to the true structure of the sulphate ion is,
- 41)









- Identify the molecule or ion from those given below whose shape is distinctly 42)
- different from that of SO₃²⁻ ion,
 - ClO;
- PCl₃
- 3) SOCl₂
- 4) H₃O⁺ 5) NO₃ (2010)
- 43)

- Which row of the following table gives the correct information with regard to the NSF 44) molecule?

	Oxidation	Charge on	Hybridization	NSF bond angle	Nature of S - F
	state of S	S	of S	6.0	bond
(1)	-4	-2	sp	180°	S(sp h.o) - F(2p a.o)
(2)	-1	-1	sp ²	< 120°	$S(sp^2h.o) - F(2p a.o)$
(3)	0	+1	sp ²	> 120°	
(4)	+1	0	sp ³	90°	$S(sp^2h.o) - F(2p a.o)$
(5)	+4	0	-		$S(sp^3h.o) - F(2p a.o)$
		, i	sp*	between	$S(sp^2h.o) - F(2p a.o)$
	(h o =	hybrid orbit		90°-120°	

- orid orbital
- a .o = atomic orbital)

(2012N)

- The molecular shape and electron pair geometry of XeOF4 are respectively. 45) trigonal bipyramidal and octahedral.
 - 2) square pyramidal and trigonal bipyramidal
 - 3) trigonal bipyramidal and square pyramidal
 - 4) square pyramidal and octahedral.
 - 5) octahedral and square pyramidal
- The two N O bond lengths in NO₂Cl are 46)

(2012 N)

Two acceptable stable structures can be drawn for NO2 Cl. resonance

The electron pair geometry and the molecular shape of XeO2F2 respectively are, 1) trigonal bipyramid and see - saw 2) trigonal bipyramid and tetrahedral 3) tetrahedral and see - saw 4) see - saw and trogonal bipyramid 5) square planar and tetrahedral (2013)What is the total number of resonance structures that can be drawn for the HN3 48) molecule? (Skeleton of the molecule H - N - N - N) 2) 3 (2013)3) 4 5) 6 49) $\left[:\ddot{Q} - \ddot{E} - \ddot{Q}:\right]^{-}$ In the structure given above, E is an element belonging to the p - block of the Periodic Table. To which group does element E belong? 3) Group 15 / V A 1) Group 13/III A 2) Group 14/IV A (2014)4) Group 16/VI A 5) Group 17/VII A The shape and electron pair geometry of F₄ClO⁻ ion are respectively. 50) trigonal bipyramidal and square pyramidal. square pyramidal and octahedral. trigonal bipyramidal and octahedral. square pyramidal and trigonal bipyramidal. (2014)octahedral and square pyramidal. How many resonance structures can be drawn for the molecule N2O4 51) (skeleton O -N-N-O) 4) 5 5) 6 (2014)3)4 2)3 1)2 Which row of the following table gives the correct information with regard to the 52) central S atom of the SSF2 molecule? Hybridization Shape Nature of S-S o bond in S-Charge Oxidation SFstate Tetrahedral $S(3p a.o.) + S(sp^3 h.o.)$ (1) +1 $S(3p a.o.) + S(sp^2 h.o.)$ Trigonal planar 0 sp (2) + 2 $S(3p a.o.) + S(sp^3 h.o.)$ Pyramidal 0 (3) + 2S(3p a.o.) + S(sp³ h.o.)Pyramidal +1 sp (4) +1

53) How many resonance structures can be drawn for the molecule N2O5

+1

(5)

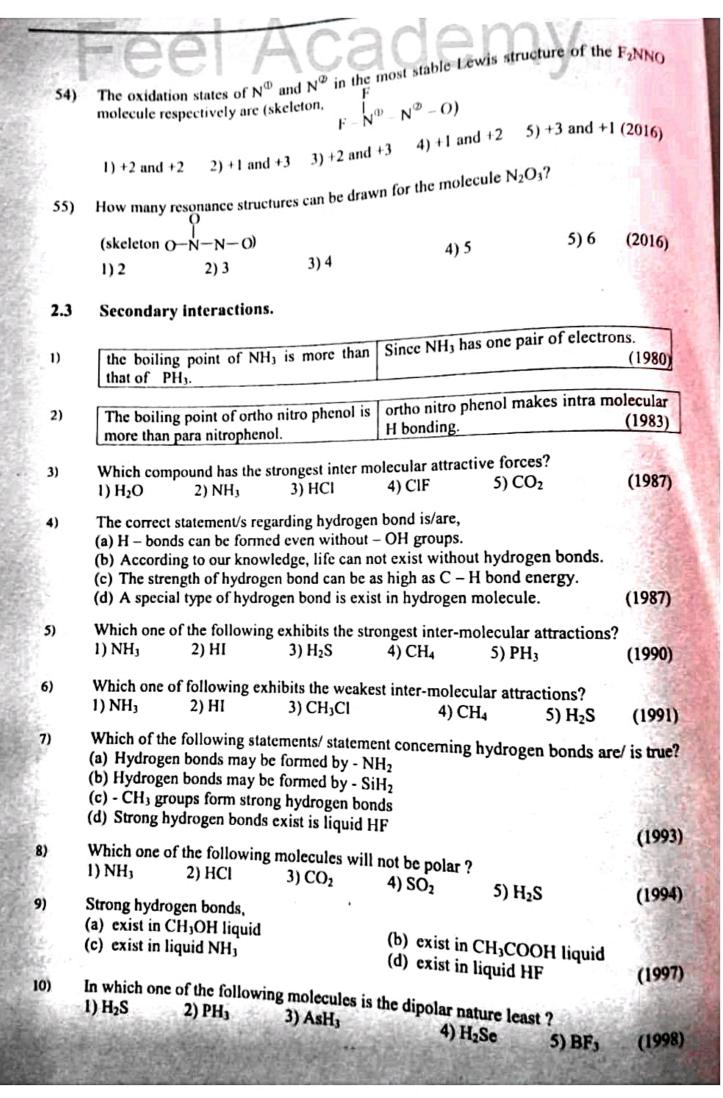
+2

O O (skeleton O - N - O - N - O)? (1) 5 (2) 6 (3) 8 (4) 9 (5) none of the answers given (2015)

(a.o. = atomic orbital, h.o. = hybrid orbital)

Trigonal planar $S(3p a.o.) + S(sp^2 h.o.)$

(2015)



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Which of the true?	e following :	statements/	statement concer	ning hydrogen l	onds are/ is			
(a) Hydroger								
(b) Hydroger	n bonds occur	in CH ₁ CH ₁	NH ₃					
(c) Hydroger	n bonds occur	in CH,SIII	OSCH ₃					
(d) Hydroger	n bonds occur	in liquid N	U _i		(1998)			
					1			
momenty ?		ng molecul	es in non – pola	(i.e. possesses a	ero – dipole			
1) BeCl ₂	2) NH,	3) CO	4) H ₂ O	5) CH Cl 3	(2001)			
Both sucros	se (C ₁₂ H ₂₂ O ₁	and KI	H ₂ O form stro	ng hydrogen bon	ds with both			
readily disso	lve in H₂O		sucrose (C ₁₂ H ₂ ;		(2001			
Glucose is	soluble in v	vater while	Cholesterol can	not form hydroge	n bonds with			
cholesterol is	s insoluble in	water	water		(2002)			
Which of the	c following s	trangement	s gives the corre	ct increasing ord	er of boiling			
points of the	compounds?	orangement.	s gives the confe	et mercasing ord	er or comme			
	$C_2H_6 - C_2H_9$		2) $C_2H_6 <$	$C_2H_5F < H_2O < C_2H_5F$	C ₂ H ₅ OH			
	$C_2H_6 \le C_2H_5O$		4) C2H6 <	$C_2H_5F \leq C_2H_5OH$	< H ₂ O			
5) $C_2H_6 < C_2$	$H_3OH \le C_2H_3$	5F < H3O			(2004)			
Which one o	f the followin	u compound	has the largest d	inale mament?				
1) cis ClCH		2) CO₂	i nas the largest d	3) Cl ₂ C = CC	1,			
4) CCl ₄	Circi		CICH = CHCI	3) 61/20 66	(2005)			
	111-1-1-1-				(,			
			the lowest dipole		10000			
I) NO ₂	2) O ₃	3) CO ₂	4) SO ₂	5) ClO ₂	(2007)			
Consider the	following							
i) liquid met			b) a mixtu	re of water and n	nethanol			
	s solution of	LiCl	d) a solution of l ₂ in methanol					
The correct s	equence that	gives the in	creasing strength	of intermolecula	forces in the			
above is,				21 1 - 1				
ı) a < d < b ⁴		2) a < c 5) a < b		3) $\mathbf{a} < \mathbf{b} < \mathbf{d}$				
t) a < c < b	< d	5) a < 0	i C C a		(2007)			
The solubi substance is zero.	lity of a n a polar s	olvent is	molecule and a	forces between polar molecule ble-dipole interac	are weaker			
l ₂ , is more so	oluble aqueou	us KI than		olarity of water				
in pure wate	r		polar I ₂ more sol	uble	(2008)			
Which molec	ule or ion fro	m those giv	en below has the	highest dipole m	oment?			
	2) NH ₃	3) NO;		5) ICI,	(2010)			
I) O ₃				•	(2019)			
Chance the m		1 bas	411					
-noose the m	olecule that c	loes not nav	e a dipole mome	nı.				

2.4 Solid state of matter and the relationship of the properties and structure,

Solid state of matter and the relation	onship of the prop
intion (of The bonds in graphite is covalent. (198
The chularpy of tupotis	and are covalent
graphite is very high.	y The bonds in diamond are covalent. (19
The melting point of diamond is ver	(
high	y Graphite contains covalent bonds
The boiling point of graphite is ver	(12)
high	h The C - C bond strength is very m
The hardness of diamond is very muc	bigher than the C = O bond strength.
higher than the hardness of solid carbo	(19
dioxide.	g Si-O bonds are strong covalent bonds
Silica (SiO ₂) has a very high melting	(20)
points.	
t) It is a conductor of electricity. I) It is used as a fuel in industry.	(20
The increasing order of boiling points of	CO ₂ , SO ₂ , N ₂ , He and Ne is,
1) He $<$ Ne $<$ N ₂ $<$ CO ₂ $<$ SO ₂	2) He $<$ Ne $<$ CO ₂ $<$ N ₂ $<$ SO ₂
3) He $<$ Ne $<$ N ₂ $<$ SO ₂ $<$ CO ₂	4) Ne < He < N_2 < CO_2 < SO_2
5) Ne $<$ He $<$ CO ₂ $<$ SO ₂ $<$ N ₂	(20)
Di li li li	
Diamond is an allotrope of carbon	Diamond has a giant structure where ea
which does not conduct electricity	carbon atom, is covalently bonded as for
	other carbon atoms (201
The hoiling point of CO is that	
The boiling point of CO ₂ is higher than the boiling point of	Intermolecular attractive forces between
	non-delive forces nerwi
6 111	CO ₂ molecules are stronger th
formaldehyde.	CO ₂ molecules are stronger the intermolecular attractive forces because
formaldehyde.	CO ₂ molecules are stronger the intermolecular attractive forces between the control of the con
formaldehyde.	CO ₂ molecules are stronger the intermolecular attractive forces between formaldehyde molecules. (201
formaldehyde.	CO ₂ molecules are stronger the intermolecular attractive forces between formaldehyde molecules. (201
of the following, which one has the high	CO ₂ molecules are stronger the intermolecular attractive forces between formaldehyde molecules. (201) sest boiling point?
of the following, which one has the high	CO ₂ molecules are stronger intermolecular attractive forces between formaldehyde molecules.

(2014)

Answers

2. Structure and Bonds

Primary interaction.

10	3	2)	2	[3)	1 2					majorial de la compansión de la compansi	
171	4	8)	4	0)	-	4)	4	5)	3	6)	-
111	3	14)	-	16	att	10)	5	[11]	5	12)	4
100	5	20)		13)	2	16)	5	17)	3	18)	2
17)	3	20)	4	21)	5	22)	3	23)	4	24)	d2584

Geometrical arrangements of molecules and ions.

1)	5	2)	4	3)	1	TAY	7 .	1.2			1 4
7)	4	8)	4	0)			3	3)	.,	0)	202
3)	5	14)	4	15)		10)	2	11)	4	12)	4
9)	3	20)	4	21)		16)	4	17)	all	18)	1/2
(5)	2	26)	1	32	1	22)	3	23)	3	24)	2
1)	3	32)		27)	2	28)	4	29)	5	30)	3.2
7)	3			33)	-3	34)	5	35)	5	36)	1.80
1		38)	- 3	39)	5	40)	3	41)	2	42)	0.453.9
3)	.5	44)	5	45)	4	46)	1	47)	1	48)	2
9)	5	50)	2	51)	3	52)	3	53)	4	54)	161.00
5)	3							and the second	and the second distribution	- non-mild coupe	(ALA)

2.3 Secondary interactions.

1)	2	2)	4	3)	1	4)	1	5)	1	6)	4
7)	4	8)	3	9)	. 5	10)	5	11)	4	12)	1284 539 22
13)	3	14)	3	15)	4	16)	1	17)	3	18)	16 1455
19)	4	20)	3	21)	2	22)	5	- new tellingunous		and the same	100000

2.4 Solid state of matter and the relationship of the properties and structure.

1)	2	2)	2	3)	2	4)	3	5)	2	6)	4
7)		8)	1	9)	5	10)	4		Aller State Colors and an	The second second	1577.52