

Daily Tutorial Sheet [DTS] | p-Block Elements-1

Level-1		DTS 1-5
----------------	--	----------------

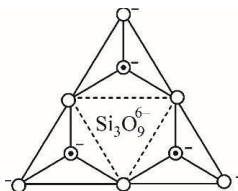
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	D	C	C	C	C	C	D	B	B	B	A	B	A	B
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
B	B	D	D	B	C	B	B	D	B	C	C	A	D	B
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
A	D	C	AB	B	B	D	A	A	C	A	C	B	D	B
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
D	A	D	B	C	C	B	A	C	C	A	D	D	C	D
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
D	B	B	A	D	C	B	B	B	A	D	B	A	C	D

Level-2		DTS 6-11
----------------	--	-----------------

76	77	78	79	80	81	82	83	84	85	86	87	88		89
A	C	C	C	D	B	C	D	A	C	D	C	ABC		B
90			91			92	93	94	95	96	97	98	99	100
[A-s] [B-r] [C-p] [D-q]			[A-t] [B-r] [C-p] [D-q]			C	ABCD	AB	ABD	A	A	D	A	BC
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115
AB	BCD	BD	C	B	B	C	C	C	D	A	C	C	CD	B
116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
B	C	AD	A	ABC	BD	ABC	A	A	A	5	0	4	1	5
131	132	133	134	135	136	137	138	139	140					
3	5	4	7	16	3	6	1	2	3					

JEE Main (Archive)		DTS 1-2
---------------------------	--	----------------

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	B	D	B	B	B	B	B	A	A	D	C	C	D	C
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A	C	A	B	B	C	B	B	B	D	B	D	C	B	D
31	32	33	34											
A	A	B	A											

JEE Advanced (Archive)			DTS 1-3				
1.	Diamond is the hardest substance (Abrasive) graphite is soft (Lubricant).		2.	B			
3.	Dry ice is solid CO ₂ and it is very cold.		4.	F			
6.	T	7.	F	5.	Because of layer structure		
9.	3SiCl ₄ + 4Al → 4AlCl ₃ + 3Si		10.	Silicone			
11.	T	12.	F	15.	Dimeric silicone, R ₃ SiOSiR ₃		
13.	T	14.	Buckminster fullerene				
16.	A	17.	D	18.	Al ₂ S ₃ + 6H ₂ O → 2Al(OH) ₃ + 3H ₂ S		
19.	Ionic						
20.	Glass	21.	A	22.			
23.	3C-2e ⁻ bond						
24.	B	25.	C	26.	X = BF ₃ ; Y = B ₂ H ₆		
27.	(i) Na ₂ B ₄ O ₇ × 10H ₂ O $\xrightarrow[-10H_2O]{\Delta}$ Na ₂ B ₄ O ₇ $\xrightarrow{HCl}$ H ₃ BO ₃ $\xrightarrow{\Delta}$ B ₂ O ₃ $\xrightarrow{Al}$ B (ii) B ₂ H ₆ + HCl → B ₂ H ₅ Cl + H ₂						
28.	A	29.	C	30.	Due to formation of K ₃ AlF ₆ , BF ₃ displace AlF ₃		
31.	A	32.	(i) 3SiCl ₄ + 4Al → 3Si + 4AlCl ₃ (ii) SiCl ₄ $\xrightarrow{2CH_3MgCl}$ (CH ₃) ₂ SiCl ₂ $\xrightarrow[(ii) \text{ polymerization}]{(i) H_2O}$ [R ₂ SiO] _n				
33.	[A-q] [B-r] [C-p] [D-q, r]		34.	A	35.	A	
36.	A	37.	C	38.	ABC	39.	3
40.	BD	41.	6	42.	B	43.	B
44.	ABC	45.	CD	46.	ACD	47.	