

States of Matter

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

Level – 2		DTS 6 - 10
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76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
A	B	C	D	A	A	B	A	A	C	C	C	B	AC	A
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
A	A	B	C	C	C	B	B	B	B	D	A	C	A	C
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
A	A	A	A	D	D	AB	BD	AC	ABCD	D	ABD	A	D	B
121			122			123			124			125		
C			D			B			B			C		

Numerical Value Type		DTS 11
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126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
2	9	3	4	8	4	4	3	6	2	4	4	2	3	4

JEE Main (Archive)		DTS 1
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1	2	3	4	5	6	7	8	9	10	11
A	A	D	(i) XeF ₆ (ii) –173°C, 0.82 L	C	B	C	C	B	B	B
12	13	14	15	16						
B	D	C	B	A						

JEE Advanced (Archive)		DTS 1 - 4
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1		2	3		4	5		6	7	8			9
3.42 g/L		12.15	41.32 g		C ₇ H ₈	1 : 1.18		A	B	(6.21 × 10 ⁻²¹ J/molecule)			B
10	12	13		14	15		16	17	18			19	20
F	1 : 3	(2.7 × 19 ¹⁰)		B	(390.2 ms)		D	False	(Inversely time)			A	10
21		22	23	24	25	26	27			28	29	30	31
pV = 0.25 RT		B	C	1 : 16	C	C	(1682.5 k, 2142 K)			B	5.23 L	D	A
32		33		34		35		36	37	38			39
2.20 atm		0.221 atm		1020 g/mol		407 ms		F	8 : 1	(2.46 m ³ , 1.48 atm)			(0.34,0.66)
40	41	42	43	44	45	46		47	48			49	50
0.14	C	F	B	Less	C	123 g/ml		A	6.46 atm L ² mol ⁻²			0.99 atm	B
51	52	53	54			55			56	57	58		59
C	D	D	1.25 atm L ² mol ⁻²			(ii) 2.97 × 10 ⁻² J			B	C	434 ms		A
60		61	62	63			64	65	66	67	68	69	70
434 ms		B	B	A-p,s; B-r; C-p,q; D-r			ACD	AB	4	B	7	ABCD	C
71			72		73		74		75		76		77
C			BD		4		C		4		2.22		ABD