

ANSWER KEY:- CHAPTER - 9

Properties of Matter	Level - 1
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
D	C	C	A	A	B	B	A	A	A	C	A	A	C	C
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
B	B	C	A	D	A	A	C	B	B	A	C	B	C	A
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
D	C	D	A	D	B	C	B	C	B	A	D	C	B	B
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
D	B	A	D	B	C	A	D	A	D	C	D	C	C	D
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
D	C	A	B	B	A	A	B	C	C	C	B	C	A	A
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
2	2	4	4	8	2	9	9	2	6	4	4	4	2	6

Properties of Matter	Level - 2
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91	92	93	94	95	96	97	98	99			100	101	102	103
B	B	A	B	A	A	C	B	A-R; B-P; C-S; D-Q			8	D	A	D
104	105	106	107	108	109			110	111	112	113	114	115	116
B	B	A	ACD	AD	A-P; B-R; C-S; D-Q			0.94	B	D	C	C	BCD	D
117	118	119				120	121	122	123	124	125	126	127	128
A	A	A-P, R; B-S; C-Q; D-S				12	B	C	A	C	C	C	D	A
129	130	131	132	133			134	135	136	137	138	139	140	
BD	AC	D	C	A-P, Q; B-P; C-R, S; D-R			BC	AC	B	A	C	2	6	

Properties of Matter										JEE Main (Archive)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	B	C	A	A	D	D	D	D	A	D	A	C	B	D
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A	B	D	A	C	A	D	D	D	C	C	A	None	A	D
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
C	D	D	D	A	A	C	B	A	A	A	B	C	B	D
46	47	48												
A	D	A												

Properties of Matter										JEE Advanced (Archive)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	B	A	A	C	C	B	B	B	D	B	D	D	A	A
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
C	B	C	C	A	C	A	D	C	A	B	A	C	A	B
31	32	33	34	35	36	37	38	39	40	41	42	43		44
BD	D	ACD	BCD	AB	D	15.24	12.96	9091	166.36	12	60	(i) 40 (ii) 0.1		4.57
45	46						47	48	49	50	51	52	53	54
2	(i) $T_{\text{final}} = 70^\circ\text{C}$, (ii) 0.05 J (iii) 19999.95 J						273	9	9	8	3	2	9	4

55	56	57			58	59	60	61	62	
2.00	270.00	Partly solid & Partly liquid			$\left(\frac{1}{2}\left(\frac{YA}{L}\right)x^2\right)$	$\left(\frac{Mg}{3AK}\right)$	0	$\left(\frac{1+\gamma_2\Delta T}{1+\gamma_1\Delta T}\right)$	1.71	
63	64		65	66		67		68	69	70
$\left(\frac{\rho L\alpha}{2}\right)$	(i) 41.5 (ii) 26.48, 0.52		5.5	$\left(300+12.5e^{\frac{-2KA t_1}{CL}}\right)$		$\left(\frac{K}{4e\sigma LT_s^3+K}\right)$		False	False	False
71										
A-S; B-Q; C-P, Q; D-Q, R										