Chapter

Halogen Derivatives





Practice Section-01



	The state of the s	e dection of
Q.1	What is the class of the substitution pr (1) Haloalkane (2) Alkyl nitrite	oduct of LiAlH ₄ and an alkyl halide reaction? (3) Nitroalkane (4) Hydrocarbon
Q.2	Which of the following statements about (1) The transition state is stable (2) The complete mechanism takes pla (3) The rate of the reaction depends or (4) There is an inversion of configuration	ce in a single step of the concentration of both reactants
Q.3	A mono haloarene is an example of (1) aliphatic halogen compound (3) alkyl halide	(2) side-chain substituted aryl halide (4) aromatic halogen compound
Q.4	What is 3-Bromopropene's common na (1) Allyl bromide (3) Tert-Butyl bromide	ame? (2) Vinyl bromide (4) Propylidene bromide
Q.5	Which of the following is the right nam (1) 1,2-Dichloroethane (3) Ethylidene chloride	te for the compound H ₃ C-CHCl ₂ ? (2) Ethylene dichloride (4) Vic-dichloride
Q.6	What is the catalyst in the chloroalkand (1) red phosphorous (3) anhydrous ZnCl ₂	e reaction of a primary alcohol with HCl? (2) concentrated H ₂ SO ₄ (4) pyridine
Q.7	When ethanol combines with PCl ₅ , it p and What is the third item on (1) Phosphorus acid (3) Phosphorus trichloride	troduces three products: chloroethane, hydrochloric acid the list? (2) Phosphoryl chloride (4) Phosphoric acid
Q.8	Which of the following substances has (1) Chloromethane (3) Trichloromethane	





Practice Section-02



Q.1	wnich of th	e followin	ig compounds has the	e nignest boiling point:	f .						
	(1) CH₃CH₂C	CH ₂ CI		(2) CH ₃ CH ₂ CH ₂ CH ₂ CI							
	(3) CH ₃ CH(C	H₃)CH₂CI		(4) (CH₃)₃CCI	(4) (CH₃)₃CCI						
Q.2	The pesticid	le DDT slo	wly changes to								
	(1) CCl₃-CHC	and chlo	probenzene	(2) p, p'-Dichlorodip	henylethen						
	(3) p, p'-Dic	hlorodiph	enydichloroethane	(4) p, p'-Dichlorodiphenyldichloroethene							
Q.3	Rectified sp	irit is a mi	xture of	DA.							
	(1) 95% eth	yl alcohol	+ 5% water	(2) 94% ethyl alcoho	ol + 4.53 water						
	(3) 94.4% et	thyl alcoh	ol + 5.43% water	(4) 95.87% ethyl alco	ohol + 4.13% water						
Q.4	The solution	n of a che	mical compound read	cts with AgNO₃ solutio	n to form a white precipitate of						
	Y which dissolves in NH ₄ OH to give a complex Z. When Z is treated with dilute HNO ₃ , Y reappears.										
Q.3	The chemica	al compou	und X can be								
	(1) NaCl		(2) CH₃Cl	(3) NaBr	(4) Nal						
Q.5	Gem-dibror	nide is	JE 8		TI I						
	(1) CH₃CH(B	r)CH₂(Br <mark>)</mark>	(2) CH ₃ CBr ₂ CH ₃	(3) CH ₂ (Br)CH ₂ CH ₂	(<mark>4) CH</mark> 2BrCH2Br						
Q.6	How many	structural	isomers are possible	for a compound with i	mo <mark>l</mark> ecular formula C₃H ₇ Cl?						
	(1) 2		(2) 5	(3) 7	(4) 9						
Q.7	The compound which contains all the four 1°, 2°, 3° and 4° carbon atoms is										
	(1) 2, 3-dim	ethyl pent	tane	(2) 3-chloro-2, 3-dimethypentane							
	(3) 2, 3, 4-tr	imethylpe	entane	(4) 3, 3-dimethylpentane							
Q.8	IUPAC name	e of (CH ₃) ₃	₃CCI /	21811							
	(1) 3-Chloro	butane	USteel	(2) 2-Chloro-2-meth	ylpropane						
	(3) t-butyl c	hloride		(4) n-butyl chloride							



ANSWER KEY

PRACTICE SECTION-01

Que.	1	2	3	4	5	6	7	8
Ans:	4	1	4	1	3	3	2	2

PRACTICE SECTION-02

Que.	1	2	3	4	5	6	7	8
ı	2	4	4	1	2	1	2	2

TOPIC WISE QUESTIONS

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

rusted Learning

** KHAN SIR **

