

NCERT/CBSE CHEMISTRY CLASS 12 textbook

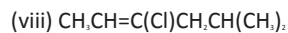
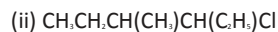
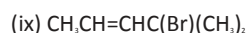
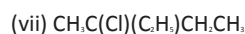
<http://www.TutorBreeze.com>

Contact for Online Tutoring in Physics, Math, Chemistry, English
Answers to NCERT/CBSE CHEMISTRY Class 12 (Class XII) textbook

CHAPTER TEN HALOALKANES AND HALOARENES EXERCISES

10.1 Name the following halides according to IUPAC system and classify them as

alkyl, allyl, benzyl (primary, secondary, tertiary), vinyl or aryl halides:



Formula	IUPAC name	Type of halides
1 $(\text{CH}_3)_2\text{CHCH}(\text{Cl})\text{CH}_3$	2-chloro-3-methylbutane	Secondary halide
2 $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{C}_2\text{H}_5)\text{Cl}$	3-chloro-4-methylhexane	Secondary halide
3 $\text{CH}_3\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}_2\text{I}$	1-Iodo-2,2-dimethylbutane	Primary halide
4 $(\text{CH}_3)_3\text{CCCH}_2\text{CH}(\text{Br})\text{C}_6\text{H}_5$	1-Bromo-3,3-dimethyl-1-phenylbutane	secondary benzylic halide
5 $\text{CH}_3\text{CH}(\text{CH}_3)\text{CH}(\text{Br})\text{CH}_3$	2-Bromo-3-methylbutane	Secondary halide
6 $\text{CH}_3\text{C}(\text{C}_2\text{H}_5)_2\text{CH}_2\text{Br}$	1-Bromo-2-ethyl-2methylbutane	Primary halide

©TutorBreeze.com

Please do not copy the answer given here

[Write to us for help in understanding the solution](#)

NCERT/CBSE CHEMISTRY CLASS 12 textbook

<http://www.TutorBreeze.com>

Contact for Online Tutoring in Physics, Math, Chemistry, English

7	$\text{CH}_3\text{C}(\text{Cl})(\text{C}_2\text{H}_5)\text{CH}_2\text{CH}_3$	3-chloro-3-methylpentane	Tertiary halide
8	$\text{CH}_3\text{CH}=\text{C}(\text{Cl})\text{CH}_2\text{CH}(\text{CH}_3)_2$	3-Chloro-5-methylhex-2-ene	Vinylic halide
9	$\text{CH}_3\text{CH}=\text{CHC}(\text{Br})(\text{CH}_3)_2$	4-Bromo-4-methylpent-2-ene	Allylic halide
10	<i>p</i> -ClC ₆ H ₄ CH ₂ CH(CH ₃) ₂	1-Chloro-4-(2-methylpropyl)benzene	Aryl halide
11	<i>m</i> -ClCH ₂ C ₆ H ₄ CH ₂ C(CH ₃) ₃	1-Chloromethyl-3-(2,2-dimethylpropyl)benzene	Primary benzylic halide
12	<i>o</i> -Br-C ₆ H ₄ CH(CH ₃)CH ₂ CH ₃	1-Bromo-2-(1-methylpropyl)benzene	Aryl halide

©TutorBreeze.com

Please do not copy the answer given here

[Write to us for help in understanding the solution](#)