



# CHEMISTRY

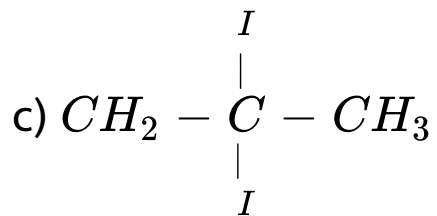
## NCERT - NCERT CHEMISTRY(TELUGU)

### ORGANIC HALOGEN COMPOUNDS

#### Example

1. Write the common names of the following halides

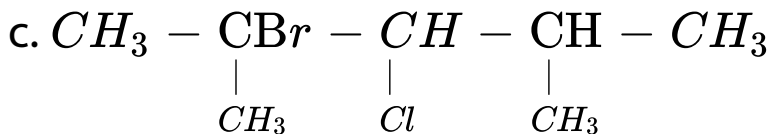
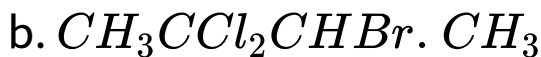




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2. Write the IUPAC names of the following halides

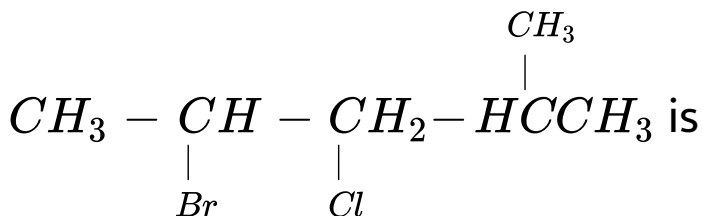




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## Questions A Choose The Correct Answer

1. The IUPAC name of



A. 2-Bromo-3-chloro-4-methylpentane

B. 2-Methyl-3-chloro-4-bromopentane

C. 2-Bromo-3-chloro-3-isopropyl propane

D. 2,4-Dimethyl-4-Bromo-3-chloro butane.

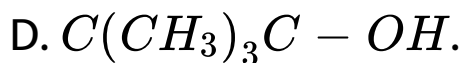
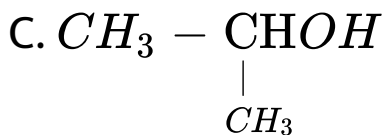
**Answer:**



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2. For reacting with HCl, the alcohol which does not require  $ZnCl_2$  is

A.  $CH_3CH_2OH$



**Answer:**



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**3.** For converting alcohols into alkyl halides,  
the best reagent is



B.  $PCl_5$

C.  $SOCl_2$

D. None of the above

**Answer:**



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4. The olefin, which is not important for Markovni Koff's addition of HCl, is

A. Propene.

B. But-1-ene

C. 2-Methyl-propene

D. Ethylene

**Answer:**



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5. The  $S_N1$  reaction of alkyl halides is not affected by the nature of the

A. alkyl group

B. the halogen

C. mediumd

D. nucleophile

**Answer:**



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## Questions B Fill In The Blanks

1. Markonikoff's rule is followed for the addition of HCl to.....





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2. In Swarts reaction metallic fluorides are added to.....



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3. Hoffman's rule is applicable to elimination .....



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4. Chloropicrin is prepared by adding chlorine to.....

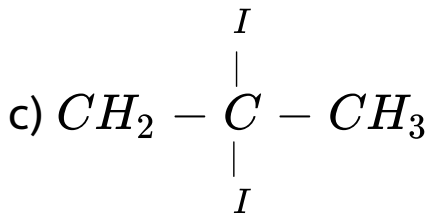


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## Questions

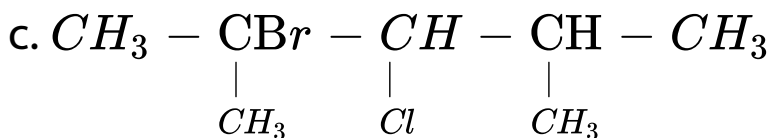
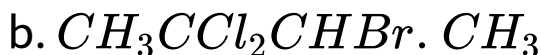
1. Write the common names of the following halides





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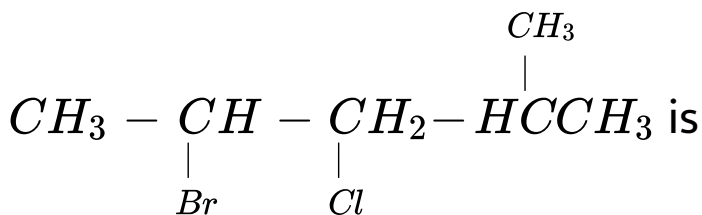
2. Write the IUPAC names of the following halides





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3. The IUPAC name of



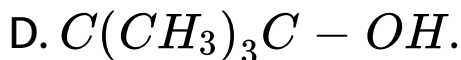
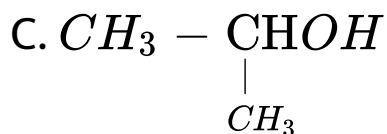
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- B. 2-Methyl-3-chloro-4-bromopentane
- C. 2-Bromo-3-chloro-3-isopropyl propane
- D. 2,4-Dimethyl-4-Bromo-3-chloro butane.

**Answer:**



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4. For reacting with HCl, the alcohol which does not require  $ZnCl_2$  is



**Answer:**



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5. For converting alcohols into alkyl halides, the best reagent is



D. None of the above

**Answer:**



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6. The olefin, which is not important for Markovni Koff's addition of HCl, is

A. Propeneb.

B. But-1-ene

C. 2-Methyl-propene

D. Ethylene

**Answer:**



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7. The  $S_N1$  reaction of alkyl halides is not affected by the nature of the

A. alkyl group

B. the halogen

C. medium

D. nucleophile

**Answer:**



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8. Markonikoff's rule is followed for the addition of HCl to.....



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9. In Swarts reaction metallic fluorides are added to.....



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10. Hoffman's rule is applicable to elimination  
.....



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11. Chloropicrin is prepared by adding chlorine to.....



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12. What are Lewis acids?



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**13.** What is an electrophilic addition?



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**14.** What is Hunsdiecker reaction?



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**15.** What is Finkelstein reaction?



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**16.** What is Swarts reaction?



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**17.** Discuss  $S_N1$  mechanism



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**18.** Discuss  $S_N2$  mechanism



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19. Discuss  $E_1$  elimination



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20. Discuss  $E_2$  elimination



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21. What are the uses of alkyl halides?



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**22.** What are the general reactions of aryl halides.



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**23.** What are aralkyl halides ? How are they prepared?



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**24.** What are Grignard reagents? Discuss its synthetic uses.



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**25.** Discuss the general methods of preparation of alkyl halides.



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