

Date: 20/8/10/24

Day: Friday

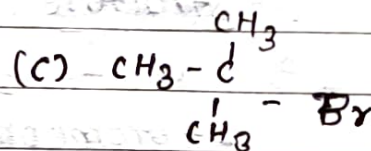
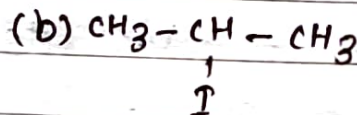
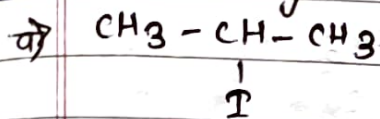
MCQS (Haloalkane and Haloarenes)

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(1) Which of the following is a 1°-halide?

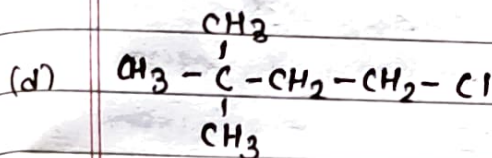
- (a) iso-propyl iodide (b) sec-butyl iodide (c) tert-butyl bromide
(d) neo-hexyl chloride.



→ Iso-propyl iodide

→ Secondary-butyl iodide

→ tert-butyl bromide

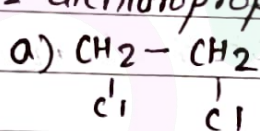


→ neo-hexyl chloride

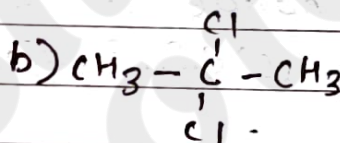
(2) Which of the following is gem dihalide?

- (a) Ethylene dichloride (b) 2,2-dichloropropane (c) 1,3-dichloropropane (d) 1,2-dichloropropane.

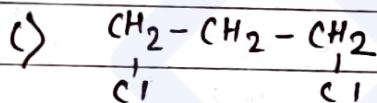
Structure:-



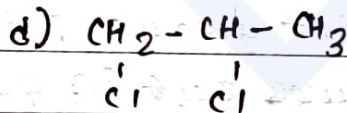
Ethylene dichloride



→ 2,2-dichloropropane



→ 1,3-dichloropropane

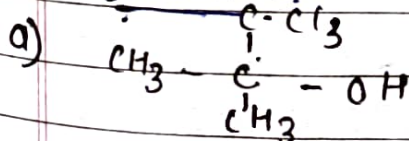


→ 1,2-dichloropropane

(3) Tear gas is:-

- (a) chloroform (b) ethyl carbonate (c) chloropicrin
(d) methylene chloride. (CCl_3NO_2)

Structure:-

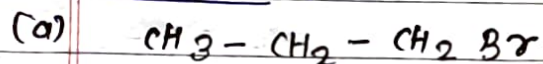


(c)

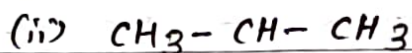
(4) C_3H_7Br has _____ position isomers?

- ✓ (a) 2 (b) 3 (c) 4 (d) 5

Structure



1-bromopropane



2-bromopropane.

(5) The peroxide effect is applicable to _____.

- (a) HCl (b) ✓ HBr (c) HI (d) HF

Reason:-

→ Average amt of energy is required for HBr . So, the peroxide effect is applicable to HBr .

(6) An alkyl halide can be converted into alcohol by :-

- (a) Addition (b) Elimination (c) ✓ Substitution (d) Dehydration.

(7) The best reagent to convert alcohol into alkyl chloride is _____.

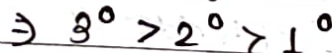
- (a) PCl_3 (b) ✓ $SOCl_2$ (c) PCl_5 (d) HCl .

→ $SOCl_2$ is best reagent to convert alcohol into alkyl chloride because side product are ~~released~~ in gaseous form.

(8) Most reactive alkyl halide towards S_N1 reaction is:

- (a) n-butyl chloride.
(b) Sec-butyl chloride.
✓ (c) Tert-butyl chloride.
(d) Iso-butyl chloride.

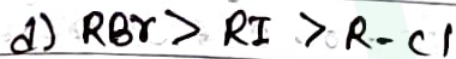
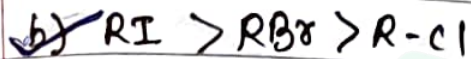
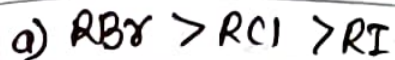
Order of S_N1 reaction



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9) Towards S_N2 reaction the order of reactivity of halide is:-



10) Which of the following is wrong statement?

a) $CHCl_3$ was used in surgery as an anaesthetic.

☒ b) $CHCl_3$ is prepared from chlorination of chloral.

c) $CHCl_3$ on exposure to sunlight and air gives phosgene.







d) chloroform is an insecticide prepared from nitration of chloroform.


Bipin Khatri

(Bipo)

Class 12 complete notes and paper collection.

Folders Name ↑

 Biology	 chemistry
 English	 maths
 Nepali	 Physics

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