

Hydrocarbons

Sr	Questions	Answers Choice
1	In shoe polished, which chemical is used.	A. Ethanol B. Methanol C. Carbon black D. Formaldehyde
2	Volatility of hydrocarbons decreases with:	A. decrease of molecular mass B. increase of molecular mass C. increase of double or triple bonds D. decrease of triple bonds
3	Marsh gas is mostly :	A. ethane B. methane C. butane D. propane
4	The reduction of alkyl halides takes place in the presence of	A. Zn/HCl B. Na/HCl C. Mg/HCl D. Cu/HCl
5	Halogenation of methane on the presence of diffused sunlight takes place.	A. Only in one step B. Slowly in one step C. Freshly in two steps D. In a series of four steps
6	By which process alkenes are prepared from alcohols:	A. Dehelogenation B. Dehydrogenation C. Dehydration D. Dehydro-halogenation
7	Which one of these is used as anaesthesia?	A. carbon black B. Mehtane C. Ethane D. Chloroform
8	Ethylene glycol can be prepared with the reaction of KMnO_4 and _____	A. $\text{CH} = \text{CH}$ B. $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$ C. $\text{CH}_3 - \text{CH}_2 - \text{CH} = \text{CH}_2$ D. $\text{CH}_2 = \text{CH}_2$
9	Condensed formula of ethane is	A. C_2H_6 B. $\text{C}_2\text{H}_4\text{Cl}_2$ C. $\text{H}_3\text{C}-\text{CH}_3$ D. None of these
10	Which are called paraffines?	A. Alkyle B. Alkynes C. Alkenes D. Alkanes
11	Some orchids attracts bees for pollination by producing.	A. alkanes B. almenes C. alkynes D. all the above.
12	The molecular formula of the first three members of the alkane hydrocarbons are CH_4 , C_2H_6 and C_3H_8 . What is the molecular formula for the eight alkane member, octane, which is found is petrol?	A. C_8H_{18} B. C_8H_{16} C. C_8H_{18} D. C_8H_{20}
13	Chemical formula of chloroform.	A. CH_3Cl B. CH_2O_2 C. CHCl_3 D. CCl_4
14	The order of reactivity of hydrogen halides with alkenes is.	A. $\text{HI} > \text{HBr}$ B. $\text{HBr} > \text{HI}$ C. $\text{HCl} > \text{HBr}$ D. $\text{HBr} > \text{HCl}$
15	Chloroform is used for	A. Anesthesia B. Fever C. Link D. ?

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- 16 Hydrogenation of alkenes and alkynes may be carried out at room temperature in the presence of catalyst:
- A. Pt or Pd
B. Ni
C. Zn
D. Fe₂O₃
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- 17 If an organic compound has 4 carbon atoms, all singly bonded, it will have the following characteristics except one.
- A. It will be saturated hydrocarbon
B. It will hav 8 hydrogen atoms
C. Its name will be n-butane.
D. It will be least reactive.
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- 18 The order of reactivity of hydrogen halides with alkenes is:
- A. HI>HBr
B. HBr>HI
C. HCl>HBr
D. HBr>HCl
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- 19 Which hydrocarbon molecule would have no effect on the aqueous solution of bromine?
- A. CH₄
B. C₁₀H₂₀
C. C₂H₄
D. C₂H₂
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- 20 Which of the following gas is used in warfare?
- A. Methane
B. Ethane gas
C. Mustard gas
D. None of these
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