

ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons Online Test

Sr	Questions	Answers Choice
1	Hydrocarbons contain :	A. Carbon only carbon B. Hydrogen only C. Carbon & hydrogen D. Carbon , hydrogen & halogen
2	Which one gives acidic reactions?	A. $\text{CH}_{\substack{3 \\ \text{sub}}} - \text{C} - \text{H}_{\substack{3 \\ \text{sub}}}$ B. $\text{CH}_{\substack{3 \\ \text{sub}}} - \text{C} = \text{C} - \text{H}_{\substack{2 \\ \text{sub}}}$ C. $\text{CH}_{\substack{3 \\ \text{sub}}} - \text{C} = \text{C} = \text{C} - \text{H}_{\substack{2 \\ \text{sub}}}$ D. $\text{CH}_{\substack{3 \\ \text{sub}}} - \text{C} = \text{C} - \text{H}_{\substack{2 \\ \text{sub}}}$
3	Mustard gas is a :	A. Gas B. Liquid C. Solid D. High boiling point
4	During reaction of O_2 and alkenes, a product:	A. Glycol B. Epoxide C. Halohydrin D. Ethylene glycol
5	Hybridization in alkanes is:	A. sp B. sp^2 C. sp^3 D. sp^2
6	Which is liquid among the following alkenes?	A. Ethane B. Propene C. Butene D. Pentene
7	Electronegativity difference in C-C bond in alkanes is:	A. Zero B. Double C. Half D. 4.0
8	Alkanes are least reactive towards:	A. Acids and bases B. Reducing agents C. Oxidizing agents D. All of these
9	Boiling point of n-butane is:	A. -102°C B. -75°C C. -55°C D. 55°C
10	Alkanes are gases :	A. $\text{C}_{\substack{1 \\ \text{sub}}} - \text{C}_{\substack{4 \\ \text{sub}}}$ B. $\text{C}_{\substack{5 \\ \text{sub}}} - \text{C}_{\substack{10 \\ \text{sub}}}$ C. $\text{C}_{\substack{11 \\ \text{sub}}} - \text{C}_{\substack{15 \\ \text{sub}}}$ D. $\text{C}_{\substack{10 \\ \text{sub}}} - \text{C}_{\substack{20 \\ \text{sub}}}$
11	Alkyne is :	A. $\text{CH}_{\substack{3 \\ \text{sub}}} - \text{C} = \text{C} - \text{H}_{\substack{3 \\ \text{sub}}}$ B. $\text{CH}_{\substack{4 \\ \text{sub}}}$ C. $\text{CH}_{\substack{2 \\ \text{sub}}} - \text{C} = \text{C} - \text{H}_{\substack{2 \\ \text{sub}}}$ D. $\text{C}_{\substack{2 \\ \text{sub}}} - \text{H}_{\substack{2 \\ \text{sub}}}$
12	Alkene general formula :	A. $\text{C}_{\substack{n \\ \text{sub}}} - \text{H}_{\substack{2n+2 \\ \text{sub}}}$ B. $\text{C}_{\substack{n \\ \text{sub}}} - \text{H}_{\substack{2n \\ \text{sub}}}$

13	Odour of alkene is:	A. Fruity B. Odourless C. Zarlic like D. Irritating
14	acetylene can be converted into while passing through a Cu-tube at 300°C :	A. Glyoxal B. Vinyl acetylene C. Vinyl alcohol D. Benzene
15	Which is more active ?	A. Alkanes B. Alkenes C. Alkynes D. Benzene
16	Alkanes have functional group :	A. ---X B. ---OH C. ---COH D. No functional group
17	Free radical mechanism of halogenation of alkanes follow step:	A. Initiation B. Propagation C. Termination D. All of these
18	Which is symmetric alkene?	A. $\text{CH}=\text{C}-\text{CH}_2$ B. $\text{CH}-\text{CH}_2-\text{CH}-\text{CH}_2-\text{CH}-\text{CH}_2-\text{CH}$ C. $\text{CH}_3-\text{C}=\text{C}-\text{CH}_3$ D. B and C
19	Which decolorizes the colour of Br_2	A. CH_2 B. $\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_3$ C. $\text{CH}_2=\text{CH}-\text{CH}_2=\text{CH}_2$ D. $\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_3$
20	Reaction of ethanes with KMnO_4 gives:	A. Ozonide B. Glyoxal C. Glycol D. Oxalic acid
21	Which one of the following gases is used for artificial ripening of fruits ?	A. Ethane B. Ethyne C. Methane D. Propane
22	When methane reacts with Cl_2 in the presence of diffused light the products obtained are?	A. Chloroform only B. Carbon tetrachloride only C. Chloromethane and dichloromethane D. Mixture of a,b,c
23	β - β - dichloroethyle sulphide is commonly known as:	A. Mustared gas B. Laughing gas C. Phosgene gas D. Bio gas
24	Synthesis rubber is made by polymerization :	A. Chloroform B. Acetylene C. Divinyl acetylene D. Butene
25	The addition of unsymmetrical reagent to unsymmetrical alkene is in accordance with the rule:	A. Hund's rule B. Markownikov's rule C. Pauli's Exclusion Principle D. Aufbau Principle
26	Vinyl acetylene combines with HCl to form:	A. Polyacetylene B. Benzene C. Chloroprene D. Divinyl acetylene
27	The presence of a double bond in a compound is in the sign of:	A. Saturation B. Unsaturation C. Substitution D. None
28	Formula of chloroform is:	A. CH_3Cl B. CCl_4 C. $\text{CH}_2\text{Cl}-\text{CH}_2\text{Cl}$ D. $\text{CH}_2=\text{CH}-\text{CH}_2\text{Cl}$

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- 29 Preparation of vegetable ghee involves:
- A. Halogenation
B. Hydrogenation
C. Hydroxylation
D. Dehydrogenation
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- 30 Benzene is prepared from n-hexane in the presence of catalyst
- A. Cr₂O₃
B. Al₂O₃
C. SiO₂
D. All above
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