

ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons Online Test

Sr	Questions	Answers Choice
1	In CH ₄ , all the H-C-H bond angles are	A. 120° B. 107° C. 109° D. 109.5°
2	Alkenes normally have _____ geometry	A. Tetrachedral B. Linear C. Planer D. None
3	The general formula of alkane is	A. C _n H _{2n+2} B. C _n H _n C. C _n H _{2n} D. C ₂ H _{2n-1}
4	Hydrogenation of alkenes/alkynes in the presence of Ni as catalyst at 3000°C result in the formation of corresponding alkanes. This reaction is known as	A. Sabatier-senderens reaction B. kolbes reaction C. Cannizaro's reaction D. Haloform reaction
5	Sp ³ hybird orbitals are oriented at an angle of	A. 107.5° B. 108.5° C. 109.5° D. 103.5°
6	When acetylene is passed through a copper tube at 300°C, it polymerizes to	A. Polyacetylene B. polyethylene C. Benzene D. None of these
7	Nitroalkane are used in	A. Fuel B. Solvents C. Organic synthesis D. All of them
8	The process in which orbitals of different energies and shapes mix with each other to give equivalent hybrid orbitals is called	A. Isomerization B. polymerization C. Hybridization D. Resonance
9	Replacement of hydrogen by NO ₂ group is called	A. Sulphonatioin B. Hydration C. Nitration D. Cracking
10	Paraffins are also called	A. Alkanes B. Alkynes C. Alkenes D. None of these
11	To differentiate isomers we use	A. n- B. iso- C. neo D. All of them
12	Hydrocarbons are organic compounds which contain elements such as	A. Hydrogen B. Carbon C. Hydrogen and carbon D. Halogens
13	Which is the used as test for the presence of alkenes	A. Reaction of cold dilute alkaline KMnO ₄ B. Combustion C. Polymerization D. Catalytic hydrogenation
14	The temp. used for the hydrogenation of alkenes using Ni is	A. 2000°C B. 400°C C. 200-- 300°C D. 1000°C
15	What is not a common use of methane	A. As a fuel B. For the preparation of haloaklanes C. For the preparation of methyl

		alcohol D. For the preparation of sulphuric acid
16	Alkanes are generally not reactive towards acids, alkalis, oxidation or reducing agents. They however undergo some reactions, which one is the reaction undergone by alkanes	A. Elimination B. Addition C. Free radical substitution D. Nucleophilic substitution
17	The Total coal resources of Pakistan are estimated to be	A. 184 billion B. 184 million tones C. 1.84 billion tonnes D. 1.84 million tonnes
18	The hydrocarbons having double bonds normally end with suffix	A. Ane B. Ene C. Yne D. Oic
19	Question Image <input type="text"/>	A. Pent -1-ene-3-yne B. 2-pentyne-4-ene C. 1-pentene-3-yne D. Pent-2-yen-4-ene
20	The saturated hydrocarbons usually end with suffix _____	A. Ane B. Ene C. Yne D. Oic
21	Question Image <input type="text"/>	A. 2, 3-dimethylbutane B. 2, 3-methylbutane C. 2-dimethylbutane D. Dimethylbutane
22	Hydrocarbons are divided into aliphatic, alicyclic and aromatic which structure among the following show an alicyclic hydrocarbon	