

Hydrocarbons

Sr	Questions	Answers Choice
1	The ability of carbon atoms to form chains is called.	A. Resonance B. Catenation C. Condensation D. Isomerism
2	Simplest family of organic compounds is	A. Carbohydrates B. Proteins C. Hydrocarbons D. Oils
3	Alkenes are produced in large amounts by cracking of.	A. Petroleum B. Natural gas C. Benzene D. Xylol
4	Alkanes are least reactive compounds because they are.	A. Unsaturated hydrocarbons B. Saturated hydrocarbons C. Both a and b D. None of these
5	Which hydrocarbon is responsible for explosions in coal mines.	A. Methane B. Butane C. Pentane D. Ethene
6	Substitution reaction is the characteristics of.	A. Alkenes B. Alkynes C. Alkanes D. None of these
7	Hydrogenation of alkenes and alkynes takes place at room temperature in the presence of.	A. Ni B. Pd C. Pt D. Both a and b
8	Which of the following will react with one mole of H ₂ to form saturated hydrocarbon.	A. Alkanes B. Alkyne C. Benzene D. Alkene
9	Main component of natural gas is	A. Propane B. Methane C. Butane D. Propene
10	Which other atom is almost always present along with carbon atom in all organic compounds.	A. Hydrogen B. Oxygen C. Halogen D. Nitrogen
11	Higher molecular mass hydrocarbons are broken up into smaller in a process called.	A. Refining B. Distillation C. Cracking D. Condensation
12	The branch of chemistry which deals with the study of hydrocarbons and their derivatives is known as	A. Inorganic chemistry B. Nuclear chemistry C. Organic chemistry D. Biochemistry
13	Alkane molecules are.	A. Polar B. Non Polar C. Both a and b D. None of these
14	Carbon is present in periodic table	A. Left side B. Right side C. Middle D. None of these
15	The catalyst used for cracking of naphtha is	A. Common salt B. Ni C. Washing soda D. Zeolite

16	Why does a mixture of zinc and hydrochloric acid acts as a reducing agent.	A. Because zin acts as a reducing agen B. Because molecular hydrogen is produced C. Becuse atomic hydrogen is produced D. Becuse chloride ions are produced with zn HCl which act as a reducing agent
17	The valancey of carbon is	A. 1 B. 2 C. 3 D. 4
18	Halogenation of alkanes in the presenence of diffused sunlight takes	A. Fastly in two steps B. In a series of four step C. Suddenly, only in one step D. Slowly in one step
19	What percent of natural gas consists of methane	A. 81% B. 84% C. 85% D. 83%
20	Which of the following is considered a parent organic compound.	A. Alkenes B. Alkanes C. Alkynes D. Aromatics