

Chemistry Fsc Part 2 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	The conversion of n-hexane into benzene by heating in the presence of Pt is called	A. Isomerization B. Aromatization C. Dealkylation D. Rearrangement
2	When acetylene is heated at 300 °C in copper tube, the product obtained is.	A. Benzene B. Alkyl benzene C. Ether D. Alcohol
3	The aromatic ring of Benzene can be hydrogenated in the presence of.	A. Pt B. Rh C. Sunlight D. O ₃
4	The difference of actual and theoretical heat of hydrogenation of compound is called.	A. Lattice energy B. Resonance energy C. Ionization energy D. Enthalpy of formation
5	Effect of substituent on benzene ring is due to	A. Resonance B. Inductive effect C. Both a and b D. Neither a nor b
6	Which one of the following species is meta director if present at benzene ring.	A. -NO ₂ B. -Cl C. -CH ₃ D. -OH
7	Which compound is the more reactive	A. Benzene B. Ethene C. Ethane D. Ethyne
8	Benzene can not undergo.	A. Substitution reactions B. Addition reactions C. Oxidation reactions D. Elimination reactions
9	Benzene cannot undergo	A. Substitution reactions B. addition reactions C. oxidation reactions D. elimination reactions
10	Which one is not a meta directing group	A. -COOH B. -CHO C. -COR D. -NH ₂
11	Chlorobenzene on nitration with conc. HNO ₃ and Conc. H ₂ SO ₄ gives.	A. m-chloronitrobenzene B. o and p chloronitrobenzene C. o and m chloronitrobenzene D. mixture of o, m and p chloronitrobenzene
12	Which catalyst is used Friedel Crafts reactions	A. AlCl ₃ B. BeCl ₂ C. NaCl D. HNO ₃
13	The electrophile in Aromatic sulphonation is	A. H ₂ SO ₄ B. HSO ₄ ⁻¹ C. SO ₃ D. SO ₃ ⁺¹
14	Structure of benzene is	A. Tetrahedral B. Trigonal planar C. Hexagonal planar D. Linear
15	Amongst the following, the compound of that can be most readily sulphonated is	A. Toluene B. Benzene C. Nitro-benzene D. Chlorobenzene

16	Which one is not electrophile	A. BF ₃ B. SO ₃ C. AlCl ₃ D. NH ₃
17	Which compound is the most reactive one	A. benzene B. ethene C. ethane D. ethyne
18	The resonating contributing structures of Benzene are	A. 2 B. 3 C. 5 D. 7
19	Which makes a molecule more stable.	A. Greater localization of pi electrons B. Less delocalization of pi electrons C. Greeter delocalization of pi electrons D. Less delocalization for pi electrons
20	Which of the following acid can be used as a catalyst in Friedel Craft's reactions	A. AlCl ₃ B. HNO ₃ C. BeCl ₂ D. NaCl