

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	lonic hydrides are generally	A. Liquid at room temperature B. Good electrical conductors C. Good reducing agents D. Easily reduced
2	NO and NO ₂ gases in atmosphere are represented by	A. NO B. NO ₄ C. NO _x D. N _x O _y
3	Which will have the maximum value of heat of hydration	A. Na ⁺ B. Cs ⁺ C. Ba ⁺² D. Mg ⁺²
4	Two elements whose electronegativities are 1.2 and 3.0, the formed between them would be	A. lonic B. Covalent C. Coordinate D. Metallic
5	Among the following the most reactive towards alcoholic KOH is	A. CH ₂ = CHBr B. CH ₃ COCH ₂ CH ₂ Br C. CH ₃ CH ₂ Br D. CH ₃ CH ₂ CH ₂ Br
6	Alkyle magnesium halides are known as	A. Simon-smith reagent B. Tollen's reagent C. Grignard's reagent D. Barford's reagent
7	Oxidation of ter-alcohol gives:	A. Aldehyde B. Formaldehyde C. Ketone D. Alkens
8	The isomers due to the unequal distribution of carbon atoms on either side of the functional group belonging to the same homologous series are called	A. Functional isomers B. Position isomers C. Chain isomers D. Metamers
9	Select from the following which one is alcohol?	A. CH ₃ -CH ₂ -OH B. CH ₃ -O-CH ₃ C. CH ₃ COOH D. CH ₂ -EH ₂ -BR
10	Reductive ozonolysis of benzene produces	A. Acetone B. Maleic anhydride C. Phthalic acid D. Glyoxal
11	Mustard gas is a	A. Gas B. High boiling speed C. High melting liquid D. Steam
12	What is the total number of different chloroethanes of formula $\rm C_2H_{6-}$ $_{\rm n}\rm Cl_{\rm n}\rm possible$ (n may be 1 to 6)	A. 6 B. 8 C. 9 D. 10
13	How does the ionization energy of 1st group elements vary?	A. Increases down the group B. Decreases down the group C. Remains unchanged D. Variation is not regular
14	Which one of the following has discontinuous solubility curve	A. CaCl ₂ 6H ₂ 0 B. NaCl C. KCl D. NaNO ₃
15	Amongst the following the compound that can be most readily sulphonated is	A. Toluene B. Benzene C. Nitrobenzene

	D. Chlorobenzene
Alkyl halides when reduced with nascent hydrogen in the presence of Zn + HCl, are converted to	A. Alkynes B. Alkenes C. Alkanes D. Alcohol
Which of the following chlorocompounds is heat easily hydrolysed by hydorxide ion to give the product indicated	
Which of the following has unchanged valency?	A. H B. Na C. Fe D. Oxygen
Which of the following is not a fatty acid?	A. Propanoic acid B. Acetic acid C. Phthalic acid D. Butanoic acid
If the salt bridge is not used between two half cells, then the voltage	A. Decrease rapidly B. Decrease slowly C. Does not change D. Drops to zero
	HCl, are converted to Which of the following chlorocompounds is heat easily hydrolysed by hydorxide ion to give the product indicated Which of the following has unchanged valency? Which of the following is not a fatty acid?