

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Dichlorodifluoromethane, CCl_2F_2 has been used in aerosol propellants and as a refrigerant. Which statement helps to explain why dichlorodifluoromethane is chemically inert ?	<p>A. The carbon-fluorine bond energy is large
</p> <p>B. The carbon-fluorine bond has a low polarity
</p> <p>C. Fluorine is highly electronegative
</p> <p>D. Fluorine compounds are non-flammable
</p>
2	At equilibrium, the concentration of reactants and products are	<p>A. Constant</p> <p>B. Maximum</p> <p>C. Different</p> <p>D. Equal</p>
3	The standard electrode potential of hydrogen is arbitrarily taken at 298 K is	<p>A. 1.00 volt</p> <p>B. 0.00 volt</p> <p>C. 10.0 volt</p> <p>D. 0.10 volt</p>
4	Burning of which one of the following waste is considered as useful industrial fuel or to produce electricity.	<p>A. Metals</p> <p>B. Crass</p> <p>C. Paper</p> <p>D. Plastic</p>
5	Choose from the followings the correct statement about Born Haber cycle	<p>A. Born Haber cycle is different from Hess's law</p> <p>B. The energy changes in a cyclic process is not zero</p> <p>C. The lattice energy of crystalline substances can be calculated easily</p> <p>D. None</p>
6	Carboxylic acids react with sodium carbonate, & gas evolved in this reaction	<p>A. CO_2</p> <p>B. H_2</p> <p>C. CO</p> <p>D. Both a & b</p>
7	How much quantity of water is in the domestic use	<p>A. 0.08%</p> <p>B. 16%</p> <p>C. 24%</p> <p>D. 90%</p>
8	Chloroethene, $CH_2 = CHCl$ is the monomer of PVC. What are the C-C-C bond angles along the polymeric chain in PVC?	<p>A. They are all 109.5°
</p> <p>B. half are 109.5° and half are 120°
</p> <p>C. They are all 120°
</p> <p>D. They are all 180°
</p>
9	Detergents are	<p>A. synthetic products</p> <p>B. natural products</p> <p>C. both a and b</p> <p>D. none of the above</p>
10	Thermoplastic polymer can be softened and hardened when cooled repeatedly, Which one is not a thermoplastic among the following?	<p>A. epoxy resin
</p> <p>B. PVC
</p> <p>C. Plastic toys
</p> <p>D. none of all
</p>
11	Hydrocarbons, SO_2 , CO, NH_3 nitrogen oxides and compounds of fluorine are called	<p>A. Primary pollutant</p> <p>B. Secondary pollutant</p> <p>C. Tertiary pollutant</p> <p>D. None of these</p>
12	$\Delta H = \Delta E$ is true for which of the following reaction	<p>A. $K + H_2O \rightarrow KOH + H_2$</p> <p>B. $N_2 + 3H_2 \rightarrow 2NH_3$</p> <p>C. $AlCl_3 + 3NaOH \rightarrow Al(OH)_3 + 3NaCl$</p> <p>D. $4Na + O_2 \rightarrow 2Na_2O$</p>
13	Which one of the following statements is wrong for gases?	<p>A. gases do not have a definite shape and volume</p> <p>B. volume of the gas is equal to volume of container confining the gas</p> <p>C. confined gas exerts uniform pressure on the walls of its container</p>

in which it is enclosed
D. <div>mass of gas cannot be determined by weighing a container in which it is enclosed</div>

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| 14 | Which is not an essential amino acid | A. Leucine
B. Methionine
C. Histidine
D. Lysine |
| 15 | Albumin, globin and casein are | A. Milk proteins
B. Plasma proteins
C. Egg proteins
D. Meat proteins |
| 16 | The long chains of amino acids are coiled around one another into a spiral by | A. ionic bond
B. Van der Waal's forces
C. hydrogen bonding
D. overlapping of orbitals |
| 17 | The chemical reactivity of glass is reduced by the use of | A. fluxes
B. formers
C. stabilizers
D. none of the above |
| 18 | The compound used to distinguish the ethyne and ethene is | A. Alkaline KMnO_4
B. Ammonical AgNO_3
C. Bromine water
D. Tollen's Reagent |
| 19 | Molar mass of repeating unit of PVC monomer is: | A. 43
B. 53
C. 63
D. 73 |
| 20 | Ozone layer is | A. 25 - 28 km high
B. 26 - 29 km high
C. 24 - 27 km high
D. 20 - 28 km high |