

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which one of the following does not act as pollutant	A. Carbon monoxide B. Sulphur dioxide C. Hydrocarbons D. Carbon dioxide
2	The concentration of dissolved molecular oxygen in water which acts as the most important oxidizing agent ranges form:	A. 2ppm - 6ppm B. 2ppm - 4ppm C. 4ppm - 8ppm D. 2ppm - 3ppm
3	A single chloride free radical can destroy the ozone molecules	A. 100 B. 100000 C. 10000 D. 10
4	Which set of elements is good loser of electrons	A. F2, Cl2, Br2 B. N, P, As C. O, S, Se D. Li, Na, K
5	One of the environmental problem is the formation of oil slicks when oil is spilled form tankers in sea water. Which treatment is suitable to remove oil slicks	A. Blow air B. Add Na_2CO_3 C. Use a specially made sorbent having fluorine trapped in it D. Use a sorbent having Al_2O_3 trapped in it
6	Hydrocarbons, SO_2 , CO, NH_3 nitrogen oxides and compounds of fluorine are called	A. Primary pollutant B. Secondary pollutant C. Tertiary pollutant D. None of these
7	Which one of the following is NOT a nucleophile	A. NH_2^- B. BF_3 C. H_2O D. CH_3^-
8	Which one of the following element is not present in all proteins?	A. carbon B. hydrogen C. nitrogen D. sulphur
9	Chemical equilibrium involving reactants and products in more than one phase is called:	A. Homogeneous B. Heterogeneous C. Dynamic D. Static
10	Which is not the condition for the formation of smog	A. there must be sufficient NO gas B. there must be sunlight to help photo chemical reactions to take place C. air must be blowing swiftly D. there must be SO_2 in the air
11	The nature of the attractive force in acetone and chloroform are	A. dipole-induced dipole forces B. dipole-dipole forces C. ion-dipole forces D. instantaneous forces
12	_____ is the major source of acid deposition in atmosphere.	A. SiO_2 B. CO_2 C. SO_3 D. Al_2O_3
13	Which one of the following statements about Glucose and sucrose is incorrect?	A. Both are soluble in water B. Both are naturally occurring C. Both are carbohydrates D. Both are disaccharides
14	Crystals can be classified into	A. 7 crystal systems B. 4 crystal systems C. 3 crystal systems

15	The mechanism of polymerization involves free addition Polymerization or condensation polymerization, Choose the correct statement:	A. Polyester is an addition polymer B. polythene is an addition polymer C. polyvinyl chloride (PVC) is a condensation polymer D. Polystyrene
16	A complete food contains at least	A. Three nutrients B. Ten nutrients C. Six nutrients D. Ten nutrients
17	Amount of heat absorbed when one mole of a solid melts into liquid form at its melting point is called:	A. heat of vaporization B. latent heat of fusion C. molar heat of fusion D. molar heat of sublimation
18	Chromium (VI) is highly toxic and can cause	A. Blindness B. Cancer C. Liver problems D. Blood problems
19	Li resembles with Mg, because	A. the ratio of their charge to size is nearly the same B. both have nearly same size C. both are metallic in nature D. both are found together in nature
20	Which of the following compound shows the geometrical isomerism	A. 2-butene B. 2-butyne C. 2-butanol D. Butanol