

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	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
2	In many countries plastic waste is collected separately and sorted. Some of this is incinerated to provide heat for power stations. Why is PVC polyvinylchloride removed from any waste that is to be incinerated?	A. It can be melted down and re-used B. its combustion products are harmful C. it destroys the ozone layer D. it does not burn easily
3	Vegetable oils are:	A. unsaturated fatty acids B. glycerides of unsaturated fatty acids C. glycerides of saturated fatty acids D. essential oils obtained from plants
4	Methyl butyrate has a smell of:	A. apple B. pine apple C. banana D. winter green
5	Water is purified by:	A. Filtration B. aeration C. coagulation D. All of these
6	Ozone layer is present in	A. Troposphere B. Stratosphere C. Mesosphere D. Ionosphere
7	Atmosphere consists of gases:	A. N_2 B. O_2 C. Ar D. All
8	An example of regulatory protein is	A. nucleoprotein B. hemoglobin C. lactoglobulin D. thyroxine
9	Which three elements are needed for the healthy growth of plants:	A. S, S, P B. N, Ca, P C. N, P, K D. N, K, C
10	What is clinker?	A. Roasted calcareous material B. Roasted calcareous & argillaceous material C. Roasted argillaceous material D. Roasted gypsum
11	Ozone layer is high:	A. 20-23 km B. 22-25 km C. 23-26 km D. 25-28 km
12	At constant volume, for a fixed number of moles of a gas the pressure of the gas increases with increase in temperature due to	A. increase in average molecular speed B. increase in number of moles C. increase in molecular attraction D. decrease in the distance between the molecules
13	The respiration process taking place in animals depends on a difference in	A. Partial pressure B. Osmotic pressure C. Vapour pressure D. Atmospheric pressure
14	Metallic bonds have been explained by many theories. Lewis Pauling has proposed a theory	A. molecular orbital theory B. electron gas theory

	called	C. band theory D. valence bond theory
15	The fibre which is made from acrylonitrile as monomers	A. PVC B. Rayon fibre C. Acrylic fibre D. Polyester fibre
16	Two or more similar monomers combine to form:	A. Homopolymer B. Copolymer C. Ter polymer D. Thermoplastic polymer
17	What is name of hydrated variety of quartz?	A. Rose quartz B. Smokey quartz C. Silica D. Opal
18	Nihydrin reacts with amino acid to give product of	A. Bluish color B. Violet color C. Bluish violet color D. No color
19	Oceans, rivers, streams, lakes, polar ice caps, glaciers and group water reservoirs are included in:	A. atmosphere B. lithosphere C. hydrosphere D. biosphere
20	Butane molecule can have maximum no of isomers	A. 2 B. 5 C. 4 D. 3