

## MDCAT Chemistry Chapter 21 Environmental Chemistry Online Test

Sr	Questions	Answers Choice
1	Water is essential for life on	A. Moon B. Space C. Earth D. Sun
2	Ozone is a gas having boiling point	A. Unstable B. High C. Low D. Moderate
3	Leaching of nutrients is due to	A. Drying of soil B. Combustion of soil C. Acidification of soil D. Neutralization of soil
4	The overall effect of the photochemical smog in the after noon is built up of	A. Neutralization B. oxidizing agent C. Reducing agent D. Activating agent
5	The respiration process taking place in animals depends on a difference in	A. Partial pressure B. Osmotic pressure C. Vapour pressure D. Atmospheric pressure
6	A chemist says that glass must be a super cooled liquid. the reason that he might have in his mind is that glass has:	A. Definite shape B. Definite volume C. Crystalline structure D. No crystalline structure
7	The bonding occurs among polar covalent molecules containing H and one of the small electronegative element such as O, F or N is called:	A. Ionic bonding B. Metallic bonding C. Bridge bonding D. H-bonding
8	0.1M HCl having pH = 1.0 it is about 100 times stronger than acetic acid what will be the pH of acetic acid:	A. 0.1 B. 1.3 C. 2 D. 3
9	Chemical equilibrium involving reactants and products in more than one phase is called:	A. Homogeneous B. Heterogeneous C. Dynamic D. Static
10	The molarity of the solution containing x grams ammonium sulfate in 500 cm <sup>3</sup> of the solution is 0.6 what is x?	A. 39.6 B. 40.5 C. 42.7 D. 45.1
11	What is the molarity of a solution containing 15g of urea in 500 cm <sup>3</sup> of solution?	A. 1M B. 0.5M C. 2M D. 1.5M
12	Which of the following is true about galvanic cell:	A. Reduction occurs at cathode B. Reduction occurs at anode C. Anode is negatively charged D. Cathode is positively charged
13	Lanthanides and actinides belong to following group of periodic table:	A. IB B. VIIIB C. IIB D. IIIB
14	The catalyst used in the contact tower for the manufacture of H <sub>2</sub> SO <sub>4</sub> is easily poisoned by:	A. Nitrous oxide B. Nitrogen gas C. Arsenic oxide D. Carbon dioxide
15	Alkali metals react violently with halogens:	A. Halides B. Anhydrides C. Hydrides D. None of the above

16	Boron, aluminium, gallium, indium and thallium belong to group III-A of the periodic table show a decrease with increasing relative atomic mass:	A. Ionic character of the compounds B. The first ionization energy C. The basic character of the oxides D. The stability of +2 oxidation
17	Ozone is an allotropic form of:	A. Carbon B. Phosphorus C. Oxygen D. Sulfur
18	Electropositive character increases down the groups due to:	A. Increase in atomic size of the elements B. Decrease in ionization potential C. Decreases in electronegativity of the element D. All the above
19	Which of spectral lines when atoms are subjected to strong electric field is called:	A. Compton effect B. Stark effect C. Zeeman effect D. Photoelectric effect
20	Splitting of spectral lines when atoms are subjected to strong electric field is called:	A. Compton effect B. Stark effect C. Zeeman effect D. Photoelectric effect