

MDCAT Chemistry Chapter 5 Chemical Energenitcs Online Test

Sr	Questions	Answers Choice
1	In most of the cases the molecular crystals are	A. very soft B. soft C. extremely hard D. sufficiently hard
2	Which of the following solids does not have a covalent bond?	A. Silica B. Copper C. Diamond D. Graphite
3	The transition temperature of KNO3, is	A. 13.2°C B. 95.5°C C. 128°C D. 32.02°C
4	One of the following is a ionic solid. Which is that?	A. Fe B. KBr C. Diamond D. Cr
5	Which attractive forces cause molecular solids to be formed?	A. Ionic B. Metallic C. Covalent D. van der Waals
6	The existence of an element in more than one form is called	A. allotropy B. isomorphism C. polymorphism D. isotropy
7	in diamond a unit cell is tetrahedral and averall crystai structure is	A. face centred cubic B. body centred cubic C. tetrahedral D. hexagonal
8	Which among the following will show anisotropy?	A. Wood B. Glass C. Paper D. BeCl2
9	Crystals can be classified into	A. 7 crystal systems B. 4 crystal systems C. 3 crystal systems D. 14 crystal systems
10	The crystal of diamond is	A. ionic B. molecular C. covalent D. metallic
11	Which impurity makes the shape of NaCl crystal needle like	A. MgSO4 B. urea C. glucose D. MgCO3
12	In crystal of sodium chloride, a Cl-1 ion present at the corner of cube is shared between how many cubes?	A. 8 B. 4 C. 6 D. 10
13	The number of CI- ions per unit cell of NaCI are	A. 6 B. 4 C. 2 D. 8
14	A crystal system in which all three angles and all three edges are different is called	A. triclinic B. rhombohedral C. cubic D. hexagonal
15	Plastics are amorphous solids and	A. have sharp melting points B. undergo clean cleavage when cut with knife C. do not undergo clean cleavage

		D. possess orderly arrangement over long distances
16	Hardness of diamond is attributed to the	A. strength of the ionic bonds in the structure B. three-dimensional network of covalent bonds C. three-dimensional network of covalent bonds D. absence of valence electrons in carbon atoms
17	How temperature affects the electrical conductivity of metals?	A. Does not change at all B. Decreases with increasing temperature C. Increases with increasing temperature D. Decreases with decreasing temperature
18	The most unsymmetrical one in crystal system is	A. triclinic B. Li, Na, K C. monoclinic D. hexagonal
19	The geometry of diamonds is	A. tetragonal B. cubic C. rhombohedral D. none of these
20	The molecules of CO2, in dry ice form the	A. covalent crystals B. molecular crystals C. none of these crystals D. ionic crystals