

## MDCAT Chemistry Chapter 5 Solids Online Test

Sr	Questions	Answers Choice
1	The Cl <sup>-</sup> ion present at the corner of the unit cell is NaCl crystal, contributes	A. 1/8 th B. 1/4 th C. 1/2 th D. 1
2	The number of Cl <sup>-</sup> ions per unit cell of NaCl are	A. 6 B. 4 C. 2 D. 8
3	Ionic solids don't conduct the electrical current because	A. ion do not have translatory motion B. free electrons are less C. the coordination number of the ion is very high D. strong covalent bonds are present in their structure
4	Ionic solids are characterized by which one of the following properties	A. moderately low pressure B. high vapour pressure C. good conductivity in solid state D. solubility in polar solvents
5	Some of crystals are good conductors of heat and electricity, they may be	A. ionic in nature B. of metallic character C. covalent in nature D. of molecular nature
6	LiF is a crystalline substance and has	A. ionic crystal B. metallic crystal C. covalent crystal D. molecular crystal
7	One of the following is a ionic solid. Which is that?	A. Fe B. KBr C. Diamond D. Cr
8	An element from the given below exists as discrete small molecules in the solid state. Which is that?	A. Sodium B. Silicon C. Iodine D. Iron
9	The structure of sodium chloride is	A. simple cube B. body centered cubic C. face centered cubic D. depends upon conditions
10	Which property is associated with ionic solids?	A. Solubility in polar solvents B. Low melting points C. Good conductivity in solid state D. High vapour pressure
11	In crystal of sodium chloride, a Cl <sup>-</sup> ion present at the corner of cube is shared between how many cubes?	A. 8 B. 4 C. 6 D. 10
12	What is the co-ordination number of face centered cubic structure?	A. 12 B. 8 C. 6 D. 10
13	A crystal system in which all three angles and all three edges are different is called	A. triclinic B. rhombohedral C. cubic D. hexagonal
14	Structure of CrO <sub>4</sub> <sup>(-2)</sup> is'	A. triclinic B. cubic C. octahedral D. tetrahedral
15	The most unsymmetrical one in crystal system is	A. triclinic B. Li, Na, K C. monoclinic D. orthorhombic

		D. hexagonal
16	The hexagonal closed packing is associated with	A. Ag, Cu, Au B. Zn, Cd, Hg C. Li, Na, K D. NaCl, KBr
17	Which impurity makes the shape of NaCl crystal needle like	A. MgSO <sub>4</sub> B. urea C. glucose D. MgCO <sub>3</sub>
18	K <sub>2</sub> SO <sub>4</sub> , and K <sub>2</sub> Cr <sub>2</sub> O <sub>4</sub> , are isomorphous solids and exist in	A. cubic form B. orthorhombic form C. trigonal form D. tetragonal
19	The transition temperature of tin is	A. 95.5 C° B. 13.2 C° C. 13.2°C D. 128.5°
20	The existence of an element in more than one form is called	A. allotropy B. isomorphism C. polymorphism D. isotropy