

## MDCAT Chemistry Chapter 5 Chemical Energetics Online Test

Sr	Questions	Answers Choice
1	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
2	The number of Cl <sup>-</sup> ions per unit cell of NaCl are	A. 6 B. 4 C. 2 D. 8
3	Which among the following will show anisotropy?	A. Wood B. Glass C. Paper D. BeCl <sub>2</sub>
4	Which attractive forces cause molecular solids to be formed?	A. Ionic B. Metallic C. Covalent D. van der Waals
5	The transition temperature of KNO <sub>3</sub> , is	A. 13.2°C B. 95.5°C C. 128°C D. 32.02°C
6	In diamond, the carbon atoms are arranged in a	A. tetrahedral manner B. hexagonal manner C. square planar manner D. octahedral manner
7	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
8	Which of the following solids does not have a covalent bond?	A. Silica B. Copper C. Diamond D. Graphite
9	Structure of CrO <sub>4</sub> <sup>(-2)</sup> is'	A. triclinic B. cubic C. octahedral D. tetrahedral
10	The transition temperature of tin is	A. 95.5 C° B. 13.2 C° C. 13.2°C D. 128.5°
11	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
12	Amorphous means	A. arranged B. ordered C. shaped D. shapeless (no arrangements)
13	Crystals can be classified into	A. 7 crystal systems B. 4 crystal systems C. 3 crystal systems D. 14 crystal systems
14	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
		A. sp <sup>2</sup>

15	In diamond, which hybridization is there?	B. dsp <sup>2</sup> C. sp <sup>3</sup> D. sp
16	The molecules of CO <sub>2</sub> , in dry ice form the	A. covalent crystals B. molecular crystals C. none of these crystals D. ionic crystals
17	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
18	One of the following is a ionic solid. Which is that?	A. Fe B. KBr C. Diamond D. Cr
19	The hexagonal closed packing is associated with	A. Ag, Cu, Au B. Zn, Cd, Hg C. Li, Na, K D. NaCl, KBr
20	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