

ECAT Physics Chapter 17 Physics of Solids Online Test

Sr	Questions	Answers Choice
1	Tick the one which is not polymer solid:	A. Zirconia B. Polythene C. Nylon D. Synthetic rubber E. None of these
2	Polymers are the chemical combination of carbon with:	A. Nitrogen B. Oxygen C. Hydrogen D. All of these E. None of these
3	Examples of crystalline solids are:	A. Cooper B. NaCl C. Zirconia D. Both (A) and (B) E. All of these
4	Examples of polymeric substances are:	A. Plastic B. Synthetic rubbers C. Zirconia D. All of these E. Both (A) and (B)
5	A structure of polymeric solid is:	A. An ordered structure B. A disordered structure C. Intermediate between order and disorder D. Any of these E. None of these
6	When relatively simple molecules are chemically combined into massive molecules, the reaction is called:	A. Fission reaction B. Fusion reaction C. Polymerization D. Any of these E. None of these
7	Each atom in metal crystal:	A. Remains fixed B. Vibrates about a fixed point C. Moves randomly D. Rotates about center of a crystal E. None of these
8	The smallest three dimensional basic structure is called as:	A. An atom B. Unit cell C. Crystal lattice D. Polymer E. None of these
9	In crystalline solids, atoms are held about their equilibrium positions depending upon the strength of:	A. Adhesive force B. Nuclear forces C. Inter atomic cohesive force D. Electromagnetic force E. None of these
10	The pattern of NaCl particles have a shape which is :	A. Cubic B. Body centred cubic C. Simple cubic D. face centred E. Both (A) and (C)
11	The whole structure obtained by the repetition of unit cells is called:	A. Crystal lattice B. Amorphous solid C. Polymeric solid D. Polysterne E. None of these
12	The temperature at which the vibrations become so great that structure of the Crystal breaks up, is called:	A. Critical temperature B. Temperature of vaporization C. Melting point D. Both (A) and (C) E. Both (A) and (B)
13	The material which is not a crystalline solid is:	A. Zirconia B. Glass C. Nylon D. Synthetic rubber

- 13 Pick the one which is not a crystalline solid:
- C. Copper
 - D. Ceramic solid
 - E. An ionic compound
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- 14 A unit cell is smallest basic structure which is:
- A. One dimensional
 - B. Two dimensional
 - C. Three dimensional
 - D. Four dimensional
 - E. None of these
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- 15 The arrangement of molecules or atoms in a crystalline solid can be studied by using:
- A. Chemical methods
 - B. Neutrons
 - C. X-ray techniques
 - D. Copper atoms
 - E. Both (A) and (B)
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