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Solid State Physics Chapter 1: Crystal Structure

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**Solution 4 Basis:** An atom, ion, molecule or group of atoms is called a point and each point is connected with the other points to form a specific body. The basis for each point should be: 1 - Symmetrical parts in terms of

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If NaCl is doped with 10 – 4 mol % of Sr Cl 2, the concentration of cation vacancies will be ( $N_A = 6.02 \times 10^{23} \text{ mol}^{-1}$ ) [CBSE AIPMT 2007]  $6.02 \times 10^{16} \text{ mol}^{-1}$

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Metallic solid conducts electricity in  
solid state but ionic solids do so only  
in molten state or in solution or  
metals conduct electricity through  
electrons and ionic substances

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**Solutions.** Metallic solids are malleable and ductile while ionic solids are hard and brittle.

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Hello, friends, this video contains a detailed explanation of Solid state intended for upcoming board exams. Please let me know if you have any doubts, Thank...

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chapter (Hindi ...

Ans: It is a covalent or network solid.

1.8. Why are ionic solids conducting in the molten state and not in the solid state ? Ans: In the ionic solids, the electrical conductivity is due to the movement of the ions. Since the ionic mobility is negligible in the solid state, these are non-conducting in this

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