

مقرر: كيمياء الحالة الصلبة

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1. Types of solid and their properties.
2. Polycrystalline and noncrystalline solids including the definition of the polymorphism.
3. Crystal structure including types of unit cell and lattice parameters.
4. Liquid crystals (LCs).
5. Crystal systems.
6. Lattice points per unit cell and calculation of density and packing fraction.
7. Similarities and differences between the FCC and HCP Structure
8. Miller indices.