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Firstly, Steven's Solid State Basics it's just fantastic a book. For a Physics/Chem student who is interested in Solid State Physics, this book is the best first introduction. The author is fun, straight to the point and even has exercises solutions online available, which is essential due to the exercises difficulty.

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Main text: The Oxford: Solid State Basics by S. Simon (2013). Additional text: Ashcroft and Mermin , Solid State Physics Brief description: Basic concepts of solid state physics: phonons, electrons in metals, band structure, dielectrics, semiconductors, metals, geometry of solids, crystal structure, reciprocal lattice, neutron scattering and X ...

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