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Jasprit Singh. Jasprit Singh obtained his Ph.D. in Solid State Physics from the University of Chicago. He is currently a professor in the Applied Physics Program and in the. Semiconductor

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Calculate the number of states per cubic metre of sodium in 3s band. The density of sodium is 1013 kg m^{-3} . How many of them are empty? Solution: Given: Mass of the sodium in $1 \text{ m}^3 = 1013 \text{ kgm}^{-3}$.
Atomic mass of sodium = 23

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