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face atoms $\frac{3}{2}$ / 1 atoms Total of 4
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energy would decrease and the material
would begin to behave less like a
semiconductor and more like a metal. If
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energy would increase and the material would begin to behave more like an insulator. 3.2 wave equation is: $\nabla^2 \psi = -k^2 \psi$, $\psi = A \exp(jkx - \omega t)$ Assume the solution is of the form: $E = E_0 \exp(jkx - \omega t)$ Region ...

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