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# Fundamentals Of Thermodynamics Sonntag Solution Manual 7th Edition

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Basic concepts and definitions - Part 1

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The Energy Equation | First Law of Thermodynamics |Work | Heat Transfer | Internal Energy |Enthalpy

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 $\text{kg/m}^3 \times 100\,000 \text{ m}^3 =$   
 $11 \times 10^6 \text{ kg}$  just to put  
 this in perspective a  
 power plant that  
 generates 2000 MW by  
 burning coal would make  
 about 20 million tons of  
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above mass so it is nearly  
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 about  $1 \text{ kg}/\text{m}^3$  so we get  $m = \rho V = 1 \text{ kg}/\text{m}^3 \times 0.001 \text{ m}^3 = 0.001 \text{ kg}$

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**Internal Energy**  
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