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The results are:  $\rho(z) = a + bz + cz^2 = 1.20252 - 0.101674z + 0.0022375z^2$  for the unit of kg/m<sup>3</sup>, (or,  $\rho(z) =$

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( $1.20252 - 0.101674z + 0.0022375z^2$ ) $\times 10^9$  for the unit of  $\text{kg}/\text{km}^3$ ) where  $z$  is the vertical distance from the earth surface at sea level. At  $z = 7$  km, the equation would give  $\rho = 0.60 \text{ kg}/\text{m}^3$ .

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State 1 State 2 Process path Property  
B Property A FIGURE 2-13 A  
process between states 1 and 2 and  
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process completely, one should  
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The efficiency of a cooking appliance

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is defined as the ratio of the useful energy transferred to the overall combustion thermal generator

W # net, electric HHV m# net 86 |

Introduction to Thermodynamics and Heat Transfer TABLE 3-1 The efficacy of different lighting systems

Efficacy, Type of lighting lumens/W

Combustion Candle 0.2 Incandescent Ordinary 6-20 Halogen ...

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