

## **Solutions Manual**

*to accompany*

# **Environmental Engineering Science**

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# Pdf Environmental Engineering Science Nazaroff Solutions Manual

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2  $\text{CO}_2 \text{ g} \rightarrow \text{H}_2 \text{O g}$   $\Delta h = 57 \text{ kJ}$   
2  $\text{C}_2\text{H}_2 \text{ g} \rightarrow \text{H}_2 \text{ g}$   $\Delta h = 94.5 \text{ kJ}$   
 $\text{C}_2\text{H}_6 \text{ g} \rightarrow \text{H}_2 \text{ g} + \frac{1}{2} \text{O}_2 \text{ g}$   $\Delta h = 71.2 \text{ kJ}$   
 $\text{C}_2\text{H}_6 \text{ g} \rightarrow \text{CO}_2 \text{ g} + \text{H}_2 \text{O g}$   $\Delta h = 283 \text{ kJ}$   
 $\text{C}_2\text{H}_6 \text{ g} \rightarrow \text{C}_2\text{H}_4 \text{ g} + \text{H}_2 \text{ g}$   $\Delta h = 1560 \text{ kJ}$

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 $\text{C}_2\text{H}_4 \text{ g} \rightarrow \text{CO}_2 \text{ g} + \text{H}_2 \text{O l}$   $1411 \text{ kJ}$  mole  
 $\text{C}_2\text{H}_6 \text{ g} \rightarrow \text{CO}_2 \text{ g} + \text{H}_2 \text{O l}$   $1560 \text{ kJ}$  mole  
 $\text{H}_2 \text{ g} \rightarrow \text{H}_2 \text{O l}$   $285 \text{ kJ}$  mole

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co2 g 2 h2o l h 1411 kj c2h6 g 3½ o2 g 2 co2 g 3 h2o l h 1560 kj

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