6.61, p 257

(348 (g) +502(g) -> 3co2 (g) +4420 (g); DH= -2043 KJ Calculate grams propane necessary to provide 369 kJ of heat.

H: 871008

44,094

Q = - 369 KJ - 2043 KJ = mol Cz Kg (3/18! (13×12.0) 44.09 4 9 (348 = mol C348

-369 WJ N mol Cz Ng x 44.09 4 g Cz Ng = 7.96 g Cz Ng

6.57, , 257

What is the enthalpy change per gram of NO? W1: N:1714.0}

2 mol NO 2 - 114 KJ

0:1816.00

30,01g NOzmol NO

$$\frac{1}{9}N0 \times \frac{\text{mol NO}}{30,0 \log N0} + \frac{-114 k3}{2 \text{mol NO}} = -1.90 kJ/g N6$$