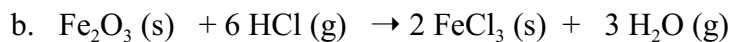


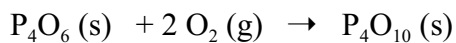
Worksheet 1

1. The specific heat of ethylene glycol is $2.42 \text{ J/g}\cdot\text{K}$. How many joules (J) of heat are needed to raise the temperature of 62.0 g of ethylene glycol from $15.2 \text{ }^\circ\text{C}$ to $40.8 \text{ }^\circ\text{C}$?

2. Using values from appendix C, calculate ΔH° for the following reactions:



3. Calculate the enthalpy change for the reaction:



given the following enthalpies of reaction:

