Equations Using Heats of Reactions Answer Key

1. a) +286 KJ/mol

b) 143 KJ

c) 1.43 x 10 ^5 KJ

2. a) -276.6 KJ

b) -46.1 KJ

3. $2NO_2$ N_2 + $2O_2$ + (-67.8 KJ)

4. a) CH_3OH + (3 / 2) O_2 ? CO_2 + $2H_2O$ + (-7150 KJ)

b) 1472.9 KJ

5. a) 838.95 KJ

b) 92.3 KJ

c) 83.9 KJ