Chemistry 520 - Problem Set 1
Due Wednesday January 15, 1997

All problems are from Tinoco, Sauer and Wang, Physical Chemistry, 3rd edition.

1. Chapter 1, Problem 1 (p. 59) [Table 2.2 on page 33 provides physical constants for water. The heat of combustion of sucrose is -5644 kJ/mol and its molecular formula is C\(_{12}\)H\(_{22}\)O\(_{11}\).]

2. Chapter 1, Problem 3, a,b,d,e and f (p. 59)

3. Chapter 1, Problem 6 (p. 61)

4. Chapter 1, Problem 10 (p. 61)

5. Chapter 1, Problem 16, a,b,d,e and f (pp. 62-3)