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Homework Assignment 3

[Page references are to Oxtoby, 5th Edition. Page/section numbers in square brackets refer to the 4th Edition of Oxtoby.]

Thermodynamics: The First law

Lectures cover Oxtoby pages [203-228] 194-218 (Sections 7.1-7.5)

Do Oxtoby Chapter 7 Problems: 7.19, 7.29, 7.31, 7.36, 7.51,
7.57, 7.61, 7.68

Suggested Completion date: 10/30/03

Thermodynamics: The Second Law, Entropy and Free Energy

Lectures cover Oxtoby pages [205-6] 197-8 (Section 7.1); [229-31] 218-220 (Section 7.6); [243-248] 231-236 (Sections 8.1-8.2); [251-253] 239-241 (Section 8.3); [256-272] 244-258 (Section 8.5-8.7); [285-290] 275-279 (Section [9.2] 9.3); [304-6] 298-301 (Section [9.5] 9.7)

Do Oxtoby Chapter 8 and 9 Problems: 8.13, 8.17, 8.19, 8.23a, 8.25, 8.31,
8.33, 8.37a, 9.7, 9.9

Suggested Completion date: 11/18/03

This ends the material for exam 3 scheduled for Tuesday, 11/25/03