

UNIVERSITY OF ALABAMA
Department of Physics and Astronomy

PH 125 / LeClair

Spring 2009

Problem Set 13: Thermodynamics

Instructions:

1. Answer all questions below. Follow the problem-solving template provided.
2. This problem set is optional - it can replace your lowest non-dropped homework grade.
3. It is due by the end of dead week on Friday.
4. You may collaborate, but everyone must turn in their own work

1. Halliday, Resnick & Walker Problem 18.42
2. Halliday, Resnick & Walker Problem 18.47
3. Halliday, Resnick & Walker Problem 18.57
4. Halliday, Resnick & Walker Problem 18.61
5. Halliday, Resnick & Walker Problem 18.66
6. Halliday, Resnick & Walker Problem 19.57
7. Halliday, Resnick & Walker Problem 19.60
8. Halliday, Resnick & Walker Problem 19.63
9. Halliday, Resnick & Walker Problem 20.13
10. Halliday, Resnick & Walker Problem 20.21
11. Halliday, Resnick & Walker Problem 20.35