

Physics 317

Homework #10 – Due in class Fri Dec 2

1. Baierlein, problem 12.5 on p 303 *assuming an isothermal atmosphere at 20 C to compute* the pressure at the top of Mt Everest. Also take the mass of an air “molecule” to be 4.8×10^{-26} kg.
2. Baierlein, Problem 14.1
3. Baierlein, Problem 14.2 a-c only
4. Baierlein, Problem 14.5. Hint: recall that reversibility implies zero net entropy change.