

1. **Page 8, Table 1.2:** Correct the following two conversions to read:

$$T_K = \frac{5}{9}T_F + 255.38$$

$$T_F = \frac{9}{5}T_K - 459.69$$

2. **Page 30:** Paragraph beginning with “Diving through by ...” should read “Dividing through by ...”

3. **Page 39, equation (2.63):** Limits of summation are incorrect. Equation *should* read:

$$M_d = \frac{\sum_{i=1}^4 m_i}{\sum_{i=1}^4 \left(\frac{m_i}{M_i}\right)} \cong \frac{m_{N_2} + m_{O_2} + m_{Ar} + m_{CO_2}}{\left(\frac{m_{N_2}}{M_{N_2}}\right) + \left(\frac{m_{O_2}}{M_{O_2}}\right) + \left(\frac{m_{Ar}}{M_{Ar}}\right) + \left(\frac{m_{CO_2}}{M_{CO_2}}\right)}$$

4. **Page 42, Practice Problem No. 2:** Delete last line of table containing information on neon (Ne).

5. **Page 44, Practice Problem No. 9:** Heading of third column of table should read “Temperature from Ideal Gas Law [K].”

6. **Page 81, sentence near bottom of page** should read “We also *have* two additional relations for specific heat:”

7. **Page 103, equation (5.88):** Equation number is incorrect. It *should* be (5.85).

8. **Page 123, first word, top of page** should be “than,” not “that.”

9. **Page 127, paragraph near top of page following equation (6.45):** Currently reads “where W_{a-b} is the work...” This *should* read “where W_{b-c} is the work...”

10. **Page 139:** About half way down the page an expression is given for ΔS_2 that reads:

$$\Delta S_2 = \frac{p\Delta V}{T_H} = -\frac{(2.5 \times 10^4)(10)}{(223.16)} = -1120.27 \left[\frac{J}{K} \right]$$

This *should* read:

$$\Delta S_2 = \frac{p\Delta V}{T_C} = -\frac{(2.5 \times 10^4)(10)}{(223.16)} = -1120.27 \left[\frac{J}{K} \right]$$

11. Page 297: In the **Summary of Stability**, an expression for vertical acceleration is given that reads:

$$\frac{dw}{dt} = g \left(\frac{T'_v - T_v}{T_v} \right) \cong g \left(\frac{T'_v - T}{T} \right)$$

This *should* read:

$$\frac{dw}{dt} = g \left(\frac{T'_v - T_v}{T_v} \right) \cong g \left(\frac{T' - T}{T} \right)$$

12. Page 327, under Severe Weather Exercise 2: A link is given for the **Weather Prediction Center** that reads:

http://www.hpc.ncep.noaa.gov/dailywxmap/index_20131110.html

This *should* read:

http://www.wpc.ncep.noaa.gov/dailywxmap/index_20131110.html

13. Throughout the book, “Clausius-Clapeyron” is misspelled as “Classius-Clapeyron.”