Chemistry, 2nd Ed. --- List of Errata For First Printing

(NOTE TO STUDENTS: THE STARRED ERRORS ARE SERIOUS AND SHOULD BE CORRECTED AS SOON AS POSSIBLE. SOME OF THE ERRORS MAY HAVE BEEN CORRECTED IN LATER PRINTINGS.)

*Photograph opposite title page: In caption, change blue CoCl$_2$$^{2-}$ to blue CoCl$_4$$^{2-}$

*p. 3 Figure 1.2: The images should be switched, the caption is okay.

*p. 13 Practice Exercise 1.7: Change Part c to 0.0041 g + 21.33 g − 7.0844 g

p. 61 Figure 2.17: Remove second hyphen from line 5 of caption

p. 87 Unnumbered Figure: Change first sentence of caption to Antoine L. Lavoisier (1743–1794) recognized the importance of the law of conservation of mass and used it to transform the field of chemistry.

*p. 119 Right-hand column: Add missing number --- a blue 3.45 --- to second line from bottom

*p. 134 Second equation in Solution to Example 4.2: CrO$_4$$^{2-}$(aq) should not be crossed out on left-hand side; 2NO$_3$$^-$$(aq)$ and 2K$^+$(aq) should be crossed out on both sides.

*p. 164 Change first section heading from Molarity and ( ) to Molarity and Dilution ( )

p. 167 Line 9 of second paragraph: Remove hyphen from interesting

*p. 186 Second equation in Solution to Example 5.13: Change 144 g/L to 1.44 g/L

*p. 221 Problem 5.133: Change Ce to Ce(s), O$_2$ to O$_2$(g), and CeO$_x$ to CeO$_x$(s)

*p. 233 Second line of Practice Exercise 6.5: Change becomes colder to feels colder

*p. 352 First equation: Change HCO$_3^-$(aq) to 2HCO$_3^-$(aq)

p. 364 First line of Figure Caption: Change born 1901 to 1901–1994
*p. 383  Margin image: Remove two electron pairs as indicated below.

* Right-hand structure: Remove electron pair as indicated below.

* Second structure on page: Add two electron pairs as indicated below.

p. 410  Chapter-opening photograph is blurred.

p. 415  Figure 10.2: Change electron to Electron in second line of heading for left-hand column. (Note: Be sure to correct misspelling and add cap E.)

p. 415  Figure 10.2: Change pairs to Pairs in second line of heading for left-hand and middle columns.

*p. 508  Bottom equation: Change $2\text{NO}_2(\text{g})$ to $4\text{NO}_2(\text{g})$

*p. 518  Third equation from bottom: Change (l) to $\text{Br}_2(\text{l})$

*p. 661  Last equation in Practice Exercise 14.20: Change first $\text{NO}_2(\text{g})$ to $\text{NO}(\text{g})$
*p.706  **Second paragraph; line 2:** Change equilibrium constant and the anticipated value of x are small, as in to equilibrium constant is much less than one (\(K << 1\)) and the anticipated value of x is small, as in

*p. 747  **First line of Example 16.2:** Change than to that

*p. 791  **Concentration Summary:** The last three lines in the Concentration Summary of Example 17.10 should be identical to the last three lines in the Concentration Summary of Example 17.7 on p. 786, that is,

\[
\begin{array}{ccc}
0.10 & 0 & 0 \\
-x & +x & +x \\
0.10 - x & x & x \\
\end{array}
\]

Also the bottom line closing the concentration summary box is missing.

*p. 793  **Concentration Summary:** The 4th line, beginning with concentration changes , is a repeat of the 3rd line --- it should be deleted. The space that results from the deletion should be closed.

*p. 830  **Third line from bottom:** Change PRACTICE EXERCISE 11.2 to PRACTICE EXERCISE 18.10

*p. 831  **Seventh line from bottom:** Change PRACTICE EXERCISE 11.2 to PRACTICE EXERCISE 18.11

*p. 839  **Sixth line from bottom:** Change quantitative analysis to qualitative analysis

*p. 1038  **Figure S4.2b:** The upper left pointer should come from coke, not ore .

*p. A-27  **3.53b:** Change coefficients to

\[
2C_3H_8O(l) + 9O_2(g) \rightarrow 6CO_2(g) + 8H_2O(l)
\]

*p. A-31  **Second line of 8.109:** Change a smaller electron affinity to a greater (less negative) electron affinity