Errata

The Spectrum Chemistry, Second Edition

Page	Lesson	Correction
35	8	Delete exercise 4. The student is not prepared to answer the question completely. The answer does not appear in the ***Teacher's Helper***
51	12	Right column, first full paragraph, last line: change "group IA and group IIIA elements" to read "group IIA and IIIA elements."
97	24	Exercise 1a: Arsenic is an oddball element and its compounds can be correctly named as either type II (as in lesson 22) or as requested here. If students named it as a type two (as shown in the Teacher's Helper on page 31), it is not incorrect. However, if named according to the instructions in this lesson (page 97) it will be written as *tetraarsenic hexaoxide*. Either answer is correct and entirely acceptable.
109	28	Exercise 1: Change "2.26% Mg" to read "12.26% Mg"
126	32	Exercise 1: Change "nitrogen gas" to read "hydrogen gas"
164	43	Exercises, Dalton's Law, Exercise 1, replace the last sentence, "What volume would the dry O_2 occupy?", to read, "What is the partial pressure of the O_2? (Vapor press. of H_2O is 22.4 torr at 24°C.)" Note: The exercise reads correctly in the ***Teacher's Helper***.
164	43	Exercises, Dalton's Law, Exercise 2, At the end of the exercise insert "(Vapor press. of H_2O is 28.3 torr at 28°C.) Note: The exercise reads correctly in the ***Teacher's Helper***.
164	43	Exercises, Dalton's Law, Exercise 3, At the end of the exercise insert "(Vapor press. of H_2O is 23.8 torr at 25°C.) Note: The exercise reads correctly in the ***Teacher's Helper***.
164	43	Exercises, Avogadro's Law, Omit Exercise 2 and renumber the remaining exercises accordingly. The ***Teacher's Helper*** shows these exercises correctly.
173	47	Right column, the third equation is missing after "…heat of vaporization:" The equation is as follows: $$\Delta\varepsilon_v = mh_f$$
203	54	Exercise 5: Change "…concentration of a solution…" to read "…concentration of 75 mL of a solution…" Note: The exercise reads correctly in the ***Teacher's Helper***.
227	60	Exercise 1a: Change KOH to $Ca(OH)_2$

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