

Corrections for Tro Text

Corrections submitted as of 7-12-09

source	date	item	correction
Chap 2 Solutions Manual	6-10-08	answer to Chapter 2.73a is listed as 16 in solutions manual	answer should be 15.7 inches since the conversion begins with 40.0 cm (3 sig fig)
Chap 2 Solutions Manual	6-10-08	answer to 2.105 page 9 units are incorrect	units should be <b>kg/m<sup>3</sup></b>
Chapter 2	5-10-09	2.120 end of chapter problems: The 2003 ozone hole measured 1.04 x 10 <sup>7</sup> mi <sup>2</sup> in <b>diameter</b>	<b>Diameter</b> should be changed to <b>area</b> in both cases.
Chapter 2 TEXT p.12	6-17-08	middle of page 10 <sup>2</sup> = 1 x 10 x 10 x 10 = 1000 exponent is incorrect	10 <sup>3</sup> = 1 x 10 x 10 x 10 = 1000
Chapter 2 STUDY GUIDE	6-17-08	Answer to Skill Builder 2.9 Given as 5.678 m	Change m to <b>km</b>
Chapter 2 #37 Solutions Manual	1-26-09	answer to 2.37 c is missing in solutions manual	answer is 8.74 x 10 <sup>-4</sup>
Chapter 2 Solutions Manual		2.39 end of chapter problems 2.39c. answer is given in mL 2.39d incorrect answer is given in °C 2.40a answer incorrect	2.39c answer should be 46.73°C 2.39d answer should be 64 mL 2.40 answer should be 5.40 mL increment markings are 0.1 mL

		increment markings are not 0.01mL each	
Chapter 4 text	8-22-08	Figure 4.14, p 106 Earlier printings of this table had the charges on the ions as incorrect	appears to have been corrected in later printings
Chap 6 Solutions manual p. 38	4-9-07	Chap 6 #41 $1.61 \times 10^{25}$ He atoms	should be $1.61 \times 10^{25}$ Ti atoms instead of He
Chapter 9	8-22-08	Figure 9.36, p.301 Earlier printings of this table had the charges on the ions as incorrect	appears to have been corrected in later printings
Back of text appendix A Chapter 10	9-26-06	Chapter 10.51c	There should be 1 double bond between N and O in the HONO molecule. The book is missing the double bond. It is correct in the solutions manual.
Chapter 10 Appendix A-16	6-10-08	2 <sup>nd</sup> structure for 10.99 shows a C-O single bond	2 <sup>nd</sup> structure showing shape of COCl <sub>2</sub> should have a C=O
Chapter 14 p. 525 #38	5-01-07	HCO <sub>3</sub> <sup>2-</sup>	charge is incorrect on bicarbonate ion should be HCO <sub>3</sub> <sup>1-</sup>
Chapter 18 TEXT,	10-18-06	Table 18.5 third column condensed formula for hexane is	Condensed formula for hexane is missing a -CH <sub>2</sub> -unit

p. 666		incorrect	
Chapter 18 #51	7-12-09	4 <sup>th</sup> entry on table, 4 <sup>th</sup> carbon in 4,4-diethyl-2,3-dimethylhexane has an extra H on the carbon and there is a hyphen missing in the answer given in the back of the book.	Remove extra H atom on Carbon 4 Add hyphen after diethyl in name (p.A-29 back of book).
Chapter 18 #55	11-4-08	answer in solutions manual p. 165 shows carbon with 5 bonds with too many hydrogen atoms	1st answer should be $\text{CH}_2=\text{CHCH}_2\text{CH}_2\text{CH}_3$ 2 <sup>nd</sup> answer should be $\text{CH}_3\text{CH}=\text{CHCH}_2\text{CH}_3$
Chapter 18.60d COMPLETE SOLUTIONS MANUAL	4-26-09	18.60 d incorrect answer Text does not cover nomenclature for polyunsaturated aliphatic compounds.	answer is 5-ethyl-hepta-1,3-diyne
Chapter 18 81c	12-26-07	answer in Solutions Manual has metachlorobenzene or <i>m</i> -dichlorobenzene	answer in Solutions Manual should be meta <b>difluorobenzene</b> or <i>m</i> - <b>difluorobenzene</b>
Chap 18 #95-D answer in appendix A-31	6-10-08	the third carbon has a H atom that does not belong on 3-hexanone	remove H atom on Carbon-3

Kelly.Befus@anokaramsey.edu