

Errors in the *Solutions to Exercises* book

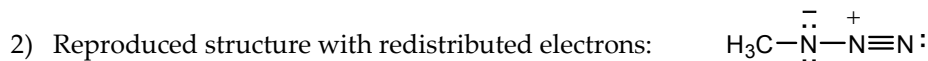
Last modified: April 9, 2006

[Name, affiliation of the person who first reported the error is in brackets]

Chapter 2

Page 28, Exercise 2.4b: The second line is partially covered by a text box, so the resonance structure of methyl azide is incorrect. [Z. Hillman, CU-Denver]

The second line should read as follows.



Chapter 3

Page 48, Exercise 3.13b: The sawhorse conformation showing the iodine atom and methyl groups eclipsed has an extra I atom (the one going back should be H). The Newman projection is correct.

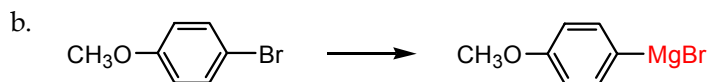
Chapter 15

Page 239, Exercise 15.9: The answer should read:

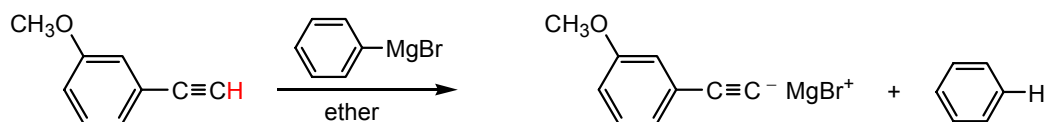
Organocuprates—both Gilman as well as higher-order reagents—react to replace the halogen atom of organobromides and iodides with the organic group bonded to copper (shown in color in the equation directly below). [S. Jordon, UNC]

Page 240, Exercise 15.12: The compounds showing the retrosyntheses for the organoborane reagents are each too long by one carbon atom. [L. Klee, UNC]

Page 243, Exercise 15.18b: The compounds have an extra methylene group. The correct answer is as follows. [G. Tsai, UNC]



Page 243, Exercise 15.22b: The methoxy group is attached to the wrong carbon atom. The correct answer is as follows. [G. Tsai, UNC]



Chapter 16

Page 257, Exercise 16.2: The carbonyl group's second shell should be O,O,C (not O,C,C). The priority is not changed by this correction. [S. Jordon, UNC]

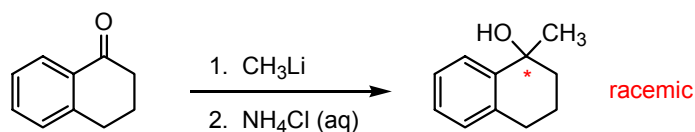
Chapter 17

Page 287, Exercise 17.33a: The second equation should have Cl₂, FeCl₃ (rather than HNO₃, H₂SO₄) as the reagents on the arrow. [G. Tsai, UNC]

Chapter 18

Page 299, Exercise 18.8: The product molecule should not have an OH group. [G. Tsai, UNC]

Page 304, Exercise 18.18a: The product molecule is missing a methyl group; the equation should be as follows:

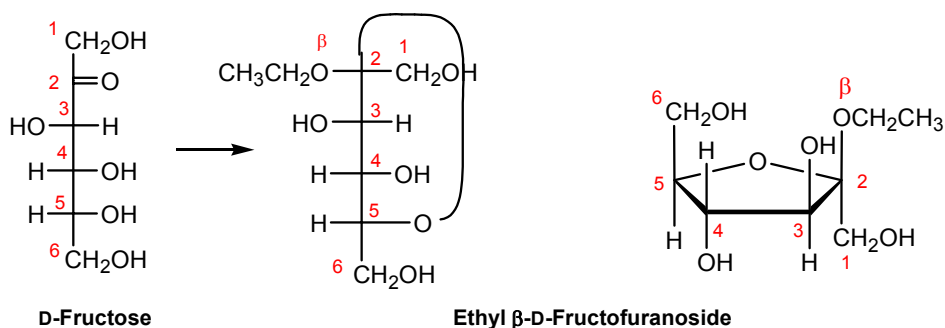


Chapter 19

Page 317, Exercise 19.11c. The first sentence of the answer should read as follows [L. Klee, UNC]:

“The α anomer has the OH group to the left in the Fischer projection.”

Page 319, Exercise 19.13a: The answer should be as follows [L. Klee, UNC]:



Page 323, Exercise 19.20d: The molecule is $\beta\text{-D-lyxofuranose}$ [C. Lee, UNC]

Page 323, Exercise 19.20d: The molecule is **methyl $\beta\text{-D-gulofuranoside}$** . [G. Tsai, UNC]

Page 329, Exercise 19.28b: The product molecule should have an OCH_3 group, not the OH group. [G. Tsai, UNC]

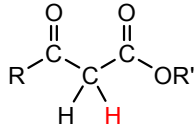
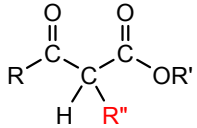
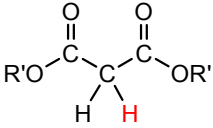
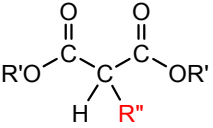
Chapter 20

Page 333, Exercise 20.6: All of the structures are missing a H atom at the end of the dashed wedge on the bottom of the structure. [G. Tsai, UNC]

Page 335, Exercise 20.11. The reactant for step 3 should have an OH group, not the alkoxide ion [L. Klee, UNC].

Chapter 22

Page 381, Exercise 22.26: The second part of the table has several errors; it should read as follows. [G. Tsai, UNC]

Starting material	pK_a value	Base and solvent	Product from reaction with $R''X$
	11	NaOEt, EtOH	
	14	NaOEt, EtOH	

Chapter 26

Page 462, Exercise 26.25: The two lines at the bottom of page 462 should be deleted (they appear at the top of page 463).