

TYPOS IN GUMPORT COMPANION listed by page

- 9 prefaceprocaryotes --> prokaryotes; eucaryotes --> eukaryotes
- 12 A.S.T. 3 (see p. 139 AP 16 for example) Bartel, replace "5520" with "2001"
- 14 A.P. 1 close up "sul fide"; Science ref – Huber, replace "5377" with "1998"
- 15 AP6 parens around reference
- 15 A.P. 6 Science ref Freeland, replace "5440" with 1999, use square brackets
- 15 AP 6 "eucaryotic" --> eukaryotic
- 28 AP 13 remove underline from URL – compare URL on page 46
- 31 E.S.T.P. 13 wrong answer, see book's answer
- 55 ST 6 "3 10 6" --> 3 x 10 6. Use "x" or asterisk for times
- 55 ST 10 "aeruginosa" --> "aeruginosa" (ch. 5)
- 64 P 16 "Snifolobus" should be "Sulfolobus"
- 109 P 1-6, seven times on page, change "x-caryote" to "x-karyote"
- 111 A.P. 7 italicize "Trends"
- 118 ST 9, in top of equation, glucose 1 = phosphate should be glucose-1-phosphate
- 120 ST 17b make "s" lowercase in S-1
- 121 ST 22 use lowercase "s" for seconds, uppercase "S" means "Substrate." s-1 twice
- 125 AST 20 (c) (d) use lowercase "s" for seconds, s-1 three times
- 126 P26 lines 1 and 2 should intersect sharply at the 1/V axis, not just to the left (ch 8)
- 133 A.P. 7 change "Stryer" to "the text"
- 139 ESTP 1 (c) I'm lost with the turnover number, there is an uppercase "S" with an odd superscript and an "s" subscript, what's going on?
- 140 ESTP 6 (a) close parens in two places ($K_m + [S]$)
- 140 ESTP 6 is there a difference between $V \cdot K_m / [S]$ and $K_m \cdot V / [S]$? Why bother to write it both ways (at the end of part "a")
- 141 ESTP 8 the layout of these fractions is very unclear
- 159 preface to 10: "Cooperative" Cooperative; "2,3-biphos..." bisphos?
- 175 ESTP 19 "deoxyhemoglogin" --> globin
- 175 ESTP 20 "the aspartate smino" --> amino
- 178 LO 7 change "Fisher" to "Fischer"
- 188 A.P. 4 (a) "Compound X is D-glucose" not D-gulose.
- 199 ST 7 Fig 12.1 first structure – move line a notch left, O=P-O etc.
- 206 AP 7 (c) palmitoylspingo.. --> palmitoylsphingo
- 209 AP 17 (a) to get 30 as stated, the numerator must be 2×10^{-6} . As written $\times 10^{13}$.
- 210 ESTP 11 there is a "double negative" – either say "kcal/mol" or do what the text does and use "kcal mol⁻¹". Don't do both. I'd simply remove the "-1" superscripts here, this gets rid of the impossible line break with "minus" on one line and "one" on the next.
- 221 AP 3 (a) unless I am missing something, it appears that someone has taken the natural log of 10^{-3} and gotten -3 as the answer. Is there a "2.303" in there that I missed?
- 239 AP 1, at top of page the first K'_{eq} must be $\log_{10} K'_{eq}$ for this to work. Don't change the second K'_{eq} !
- 263 AP 12 GLUT4 --> GLUT4
- 283 ESTP 3 (b) what ARE all those arrows? Should they just be "x" meaning "times"?
- 286 ESTP 18 structure on right has pentavalent carbon. Too many double bonds.
- 290 S.T. 8 Citrate, at top of circle, is missing "OH"
- 293 ST 23 first choice (a) change from 3 to 2.5, (b) change from 6 to 5. (ch 17)
- 300 Fig 17.2 in AP 9, Thunberg's Cycle. Top structure isn't Acetyl CoA. Delete "C" and slide S-CoA to left. See old edition for correct structure.
- 311 S.T. 21 b succinate-Q, take italics off of "Q"

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- 317 P4, last line, there is an odd "minus" right after H+, delete?
319 P13 (a) γ -hydroxybutyrate; should be beta? (ch 18)
323 AP 11 in the last fraction, in the numerator, it says "-7.3 kcal / mol ΔG° " I can't see the function of the ΔG in this context, shouldn't it be removed?
349 S.T. 11 structure "E" in Fig 20.1 has pentavalent carbon at top. Remove H-
352 P5 for consistency, the first "PNAS" should be changed to Proc Nat Acad Sci, see page 530 for another citation to the same journal.
359 ESTP 14 in the equation at top of page, change those arrow things to "x"
359 ESTP 15 structure at right has =OH, remove "H"
376 AP 7 "phophorolysis" should be "phosphorolysis"
393 P 7 the structure needs =O and not -O down at the bottom
416 P 15 "Snell found that the (-amino group" should be alpha?
423 ESTP 16 figure on right has pentavalent carbon. Remove D.B. from C=N
429 ST 12 (6) there shouldn't be two bonds to CO₂. Should it be CO₂ minus?
434 P7 in fine print " -Ketoglutanate" --> Ketoglutarate
440 ESTP 11: "24-1 s" should probably be "24 s⁻¹"
441 ESTP 13 same figure as 423, same problem
451 P 5 structure on top is not Thymine, needs D.B. on right side.
453 P14 start of equation "DCMP" --> dCMP
474 P 19 the structure is drawn right, and described correctly in the question, but the caption is wrong. Change "phosphate" in caption to "phosphonate."
488 ST 17 choice (k) – use "curly" epsilon as on p. 157 ESTP 11
550 ESTP 16 "subclasses" --> subclasses
550 ESTP 17 (a) separate gmol⁻¹ in numerator, and kcalmol⁻¹ in denominator
558 AST 14 "torroidal" toroidal
566 AP 10 after "10 –13 M" we need an = sign before the "kdiss" fraction
583 ESTP 9 add reference to shared mechanism of vision and viagra w/ cyclic GMP.
586 LO 7 bad epsilon – replace with good "curly" epsilon from p. 157 ESTP 11

RECENT ADDITIONS SOME BY STUDENTS:

- 31 Beer's law – use non-curly epsilons in ESPT 16 ??
140 4(e) lacking open parenthesis before 1.1 thus, $3 \times 10^{-5} / 1.1 + 3$
191 ESTP 3, anomers, answer should be "d" not "e"
198 ST 6 no "c"
217 AST 2 fraction $\ln(150/5)$ should be $(150/10)$
243 ESTP 5 see C-10 and 376 in text, not consistent with ATP->AMP value
248 Intro – Standardize Ca⁺², Ca²⁺
270 ST #8 G^o twice
272 ST #18 abce choice should be "d"
274 AST #2 might be better for third choice to be "Acetyl CoA"?
274 AST #8 " G'("
334 D2 no sub, not "D₂"
391-2 Renumber answers 13-26 to 12-25
413 AST 12 alpha should be delta
432 AST 12. should start with (a)
459 ESTP #15 fine print formyl amino
465 Right after Fig 26.1 <<synth of phospholipids – header not caption
492 AST #26 bad epsilon
495 P #19 Fig 27.2 OH--- should be HO---
531 ESTP #11 concept – RNAi? Something new
584 ESTP #11 H⁺ --> H⁺ omit second proton