

Corrections for *Chemical Principles*, 2nd edition

Page

- F31 Title of Example C.1, line 2: “stick formulas” s/b “line formulas”
- F82 Media Link Fig. 1.4, Title: “chlorate” s/b “chloride”
- F120 Ex. M.3 line 7: delete the comma after “1.00 mL”
- 65 Sidebar: Title of Section 2.12: “of f/III Halides” s/b “of Group 13/III Halides”
- 163 Ex. 3.42 line 5, “If it is diamagnetic...” s/b “If it is paramagnetic...”
- 676 Ex. 12.5 line 5, insert “in acidic solution” after “overall equation”
Ex. 12.5, line 7: charge on the MnO_4^- ion s/b -, not 2-
- 880 Ex. 12.61 line 2: insert “at pH = 7” after “are electrolyzed”
- A21 column 2, for the half-reaction $\text{Pb}^{4+} + 2\text{e}^- \rightleftharpoons \text{Pb}$ -0.13 V, Pb^{4+} s/b Pb^{2+}
- C2 E.15 (c) 10^{25} s/b 10^{22}
G.15 (b) 0.274 M s/b 0.00789 M
- C16 6.33 (a) 8.21 s/b 8.22
6.43 (a) 23.0 s/b 0.67
- C17 6.105 line 2: -1715.0 kJ s/b -857.5 kJ
- C22 9.63 9.4 s/b 1.4
- C58 12.6B The answer s/b $E_{\text{Pb}^{2+}/\text{Pb}} = E_{\text{cell}} - E_{\text{Fe}^{2+}/\text{Fe}} = -0.31 \text{ V} - (-0.44 \text{ V}) = +0.13 \text{ V}$

Two special corrections:

Update on Element 118: The announcement of the discovery of element 118 has been withdrawn by the researchers. See <http://enews.lbl.gov/Science-Articles/Archive/118-retraction.html>

WEBSITE credits:

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The animations on this web site and the thumbnail images of them in the textbook were specially created by Roy Tasker, University of Western Sydney.