

Lagowski & Sorum, 8th edition text errors

- p 43 equation in #7 at the top of the page – term (3×10^{-3}) should be squared
- p 60 should be $-\log(8.4 \times 10^{-4}) = 3.07$. The exponent should match the value for x just above it
- p 79 step 3 $[\text{OH}^-]^2$ is incorrect – it should be 2.5×10^{-16} . The rest of the numbers in that example are also incorrect. $[\text{OH}^-] = 1.58 \times 10^{-8}$ M. In step 4: $\text{pOH} = -\log(1.58 \times 10^{-8}) = 7.80$; $\text{pH} = 14 - 7.80 = 6.20$.
- p 80 The K_{sp} for CuS given in step 7 is incorrect, but the process for working the problem is correct. K_{sp} (CuS) from the table on p 78 is 6×10^{-37} .
- p103 $\text{Ni}(\text{CN})_6^{2-}$ – coordination number is incorrect for square planar, it should be $\text{Ni}(\text{CN})_4^{2-}$
- p107, eqn 5.18 - K expression should have multiplication and exponents, not addition and subscripts
- p 162, eqn 9.8 - AgCl (s) not AgCl_2 (s)
- p236, #8 - $\text{K}_2\text{C}_2\text{O}_4$ not $\text{K}_2\text{Cr}_2\text{O}_4$
- p255, IIIA - delete Mn^{+2} from the list to identify by color - too pale to see at our concentrations