Fixes to typos or errors of significance for GenChem I Text
If you find others, please report them to Dr. Noble (*menoble@louisville.edu).*

Chapter 5

In the bottom paragraph on p 49, Avogradro's number is stated to be a measured value and is given to nine sigfigs as $6.02214129 \times 10^{23}$. As of May 2019, Avogadro's number is officially a defined value, exactly equal to $6.02214076 \times 10^{23}$. Nevertheless, the text continues to use 6.022×10^{23} for convenience, so this is still considered to be four sigfigs.

Technically, this changes the answer to problem 1.a on p 57: the answer is now officially TRUE.

Chapter 19

On p 192 with the propane example, the ΔH_f° for C_3H_8 is shown as –104.7 kJ. It is actually –104.70 kJ, as given in Appendix A; this changes the sigfigs for the overall ΔH_{comb}°, which is then –2,219.18 kJ and not –2,219.2 kJ. The final answer for 1.000 g C_3H_8 on top of p 193 is still –50.33 kJ.

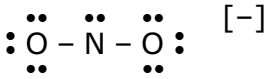
On p 195, the calculation for 1.000 g $C_{51}H_{98}O_6$ is said to give –9.35 kJ. The actual answer is –9.33 kJ.

Chapter 24

On p 252, the final configuration for Cd^{2+} is given as $[Kr]5d^{10}$, but that has a typo. The true configuration is $[Kr]4d^{10}$.

Chapter 27

On p 282, the Lewis structure for NO_2^- is done. In Step 4, a lone pair is missing at the bottom of the left oxygen. The structure should be as follows.



This structure is still not the final answer, but only a correction to the one shown in Step 4.