Fixes to typos or errors of significance for Chem 201 Text
If you find others, please report them to Dr. Noble.

Chapter 5
In the bottom paragraph on p 49, Avogadro's number is stated to be a measured value and is given to nine sigfigs as 6.02214129 × 10^{23}. As of May 2019, Avogadro's number is officially a defined value, exactly equal to 6.02214076 × 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^\text{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.

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\cdot \cdot \cdot / \cdot \cdot \cdot
\cdot O - N - O \cdot
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This structure is still not the final answer, but only a correction to the one shown in Step 4.