

National Chemistry Week 2019

Script Errata Items

Note: these changes have already been made to the script copy on the Section's web site.

1. p. 8, materials for Exp. 1: By oversight the reagent volumes in the vials marked 11 and 12 are only 10ml, not 40ml. Use these volumes as they are—don't attempt to dilute them. Adding just one or two drops of the borohydride solution to each 10ml volume will be sufficient for the color change which will be obvious even with the small liquid volumes present. With these small volumes we found that the colors reverted back to their originals as the reagents sat for an hour and re-oxidized during the remainder of the program.
2. p. 9, Experiment 2, Item 6: change 3½' to ¾'.
3. p.11, insert the following as a second item under **Preliminary Steps**:

The CuSO₄ used in Experiment 4 this year (**Where are Metals Found in Nature?**) requires an addition of salt for success. This salt was inadvertently left out of the solution on GAK Day, so we added a packet of salt to the materials for that experiment. Please add a pinch of salt 😊 (maybe ¼ of the salt packet) to the 10 ml vial with the CuSO₄, cap and shake to dissolve the salt before you proceed with the experiment. Alternately, you could have the students add the salt as part of the program.

4. p. 22. Insert the following at the end of the last line on the page: *in one direction only.*
5. p. 44, first line under the big Thank You. Remove the words *and contests*.
6. p. 45, First line under the Appendices header: remove the word **Material**.