



Chemistry Honors

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Summer Assignment

Over the summer, students in Chemistry Honors are required to complete reading and problems that cover basic Chemistry concepts. Our textbook is *Chemistry Matter and Change* from Glencoe Science/McGraw-Hill Education (ISBN: 978-0-07-677460-9, copyright 2017), however if you have the book used in the past few years (same title, but ISBN: 978-0-07-874637-6, copyright 2008), that will be fine. An online version of the 2008 text can be found at at <https://mrmiller-science.weebly.com/chemistry-textbooks.html> (make sure you scroll to the bottom to see the Glencoe textbook, not the one from Prentice Hall) or at <https://www.schoology.com/resources/public/162485104/profile> (first 15 chapters only).

Note that sometimes the problems in the online version are not exactly the same as those in the hard copy, so use your printed book whenever possible to avoid confusion. Also, I do not have any control over these links, so it's possible that they could become unavailable at ANY time. Therefore it is important for you to have a hard copy of the book. Inexpensive copies of the 2008 edition are available from Amazon or Chegg.

The summer assignment should be completed by the first day of class. There will be a test on this material during the first 2-3 weeks of school. Students will have the opportunity to ask questions on this material before the test, and an answer key will be provided.

Read the textbook and do the problems listed below. Note that some problems are within the text and others are at the end of the chapter. Please label your problems clearly. Problems from each chapter will count as 1 homework assignment, and they may be turned in on paper (preferred) or shared electronically.

Chapter 2 (Analyzing Data)

- Read Ch. 2 (skip pg. 42-45 & 50-53)
- Problems – 9, 25, 46, 59, 62, 64, 68, 71, 77(a&d), 86, 94a, 98, 101, 121

Chapter 3 (Matter – Properties and Changes)

- Read Ch. 3 (all)
- Problems – 15, 17 (a&b), 32, 38, 40, 43, 47, 48, 52, 54, 60, 63, 66, 70, 74, 75