

I. ASSIGNMENTS

- A. Read and study all of Chapter 8.
- B. Do all of the review and practice problems within the reading.
- C. Do the following problems from pages 196-199: 7, 9, 10, 12a, 13, 14, 16, 17, 27, 29, 32, 37, 39, 40, 45, 47, 48, 50, 58, and 63.

II. UNIT OBJECTIVES: See page 175 of the text.

III. SCHEDULE OF CLASSROOM ACTIVITIES:

1. Read through Section 8-5 before coming to class. The concepts of gram atomic mass and gram formula mass will be further discussed and Experiment 8-1 will be introduced.
2. Do Experiment 8-1 "Iron-Copper(II)Chloride Reaction" in class. A lab report form will be distributed after you have recorded the necessary data.
3. Read through Section 8-8 prior to coming to class. Moles and mole relationships will be discussed as well as any of the review and practice problems for which you have questions. A worksheet will be handed out that will be due on the day of the chapter 8 test.
4. A unique type of substance will be demonstrated. You will further investigate the physical properties of this substance.
5. Do Investigation 1 on Ferrofluids.
6. Crystal structures and unit cells will be discussed and Investigation 2 on Ferrofluids will be introduced.
7. Do Investigation 2 on Ferrofluids.
8. Do Experiment 8-2 "Synthesis and Composition of a Compound."
9. Review chapter 8 and continue problem solving.
10. Test chapter 8.