

Chemistry CP

Name:

Homework: Matter and Measurements

Section:

Assignment	Due Date
1. Sign and return course syllabus 2. p. 7 #1-3 in textbook	Thursday, 9/2
3. Sign and return safety contract 4. p. 18 #1-4 and p. 24 #1-4	Friday, 9/3
5. Go to http://www.engr.ncsu.edu/learningstyles/iisweb.html and complete the learning styles assessment. Print out 2 copies of the final summary (hand one in) Print out the strategies page and keep it in your binder 6. Study the names and symbols of elements 1-10 (1 column of pair tutoring)	Tuesday, 9/7
7. Complete the Inventory of Multiple Intelligences; answer questions 1-3 on a separate sheet of paper 8. Study the names and symbols of elements 1-10 (1 column of pair tutoring)	Wednesday, 9/8
9. Chapter 1 Review Sheet 10. Study the names and symbols of elements 1-10 (1 column)	Thursday, 9/9
11. Study for quiz on chapter 1	Friday, 9/10
12. p. 31 #1-5 and p. 57 # 1-4 13. Go to http://chemistry2.csudh.edu/homework/hwintro.html #1-Significant Figures Complete 20 problems, print out receipt	Monday, 9/13
14. p. 57 #7-8 15. Study the names and symbols of elements 11-20 (1 column)	Tuesday, 9/14
16. Study the names and symbols of elements 11-20 (1 column)	Wednesday, 9/15
17. Using Mass to Find Area lab report—be sure to refer to the handouts on how to write an appropriate lab report!	Wednesday, 9/22
18. Study the names and symbols of elements 11-20 (1 column) 19. Unit 1 Review Sheet (Chapters 1 and 2)	Monday, 9/20
20. Study for test on Chapters 1 and 2	Tuesday, 9/21
21. <u>Exploring Density</u> lab report	Thursday, 9/23

Dates to Remember:

Chapter 1 Quiz: Friday, 9/10

Chapters 1 and 2 Test: Tuesday, 9/21

Some Useful Websites

<http://dbhs.wvusd.k12.ca.us/webdocs/SigFigs/SigFigs.html>

<http://chemistry2.csudh.edu/homework/hwintro.html>

After studying chapters 1 and 2, you should be able to:

- Distinguish between the physical properties and chemical properties of matter.
- Classify changes of matter as chemical or physical.
- Explain the gas, liquid, and solid states in terms of arrangement of particles.
- Classify a sample of matter as a substance or a mixture; as homogeneous or heterogeneous.
- Explain the difference between an element and a compound.
- Distinguish the symbols of common elements, and match the names of common elements to their symbols.
- List the characteristics that distinguish between metals, nonmetals, and metalloids.
- List the SI units of measurement used in chemistry.
- Distinguish between the accuracy and precision of a measurement.
- Identify the number of significant figures in a measurement.
- Apply the rules for significant figures in calculations to round off numbers correctly.
- Calculate the density of an object from experimental data.
- Calculate the percent error of an experimentally determined measurement.