

Chemistry CP

Name: _____

Homework: Solutions (Chapter 13)

Section: _____

Assignment	Due Date
1. Pair tutoring sheet—1 column 2. Handout on solubility curves 3. Read article	Tuesday, 4/2
4. Read article 5. pair tutoring sheet—1 column 6. Handout on molarity problems & % solutions	Wednesday, 4/3
7. Finish minilab (if not completed in class) 8. Answer questions about article	Thursday, 4/4
9. Complete p. 382 #7, 8; p. 388 #8; p. 390 #36 10. Write summary card for FFF#14	Friday, 4/5
11. Select topic for nutrition project; find 2 reliable references	Monday, 4/8

Dates to Remember:

FFF#14 Friday, 4/5

Term 3 ends Friday, 4/5

Some Useful Websites:

<http://www.chemtutor.com/solution.htm>

<http://chemistry.about.com/cs/howtos/a/aa020404a.htm> An application of colligative properties

<http://en.wikipedia.org/wiki/Electrolytes> concise overview of an important term

<http://dl.clackamas.edu/ch105-04/molarity.htm> concise discussion of concentration units

<http://www.fordhamprep.org/gcurran/sho/sho/lessons/lesson64.htm>

<http://www.chm.davidson.edu/ChemistryApplets/PhaseChanges/PhaseDiagram1.html> interactive

[Molarity Tutorial](#) from Chemistry: The Science in Context

[Percent Solutions](#)

After studying chapter 13, you should be able to:

- Define vapor pressure of a solution and interpret vapor pressure diagrams to find boiling points.
- Explain the difference between saturated, unsaturated, and supersaturated solutions.
- Use solubility graphs to discuss the effect of temperature on solubility.
- Define and work problems involving the molarity of a solution.
- Interpret phase diagrams.
- Calculate percent by volume and percent by mass for solutions.
- Identify the solute and solvent in a solution.