NOTE-TAKING GUIDE:
Unit 7, SEGMENT C

Name:

Date:

Main Ideas, Key Points, Questions:

After watching the video segment, write down key points, main ideas and big questions.

Objective(s):

- *To learn how to calculate the concentration of a solution using mass percent and molarity.*

Notes:

During the video segment, use words, phrases or drawings to take notes.

Summary:

After watching the video segment, write at least three sentences explaining what you learned.
You can ask yourself: "If I was going to explain this to someone else, what would I say?"

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

Mass percent is calculated by taking the mass of SOLUTE in a solution and dividing it by the total mass of the SOLUTION. This figure is then multiplied by 100. Remember that the mass of a solution is the mass of the solute plus the mass of the solvent.

1. Calculate the mass percent of salt in salt water if 1 gram of salt is dissolved into 99 grams of water. Show the steps in your calculation.

2. What lab equipment is usually used to measure mass percent?

Molarity is calculated by dividing the moles of a solute in the numerator by the volume of the solution in liters in the denominator.

3. Write your procedure for producing 1 liter of a 1 Molar solution of $Cu(NO_3)_2$ and for producing 0.5 liters of a 1 Molar solution of $Cu(NO_3)_2$.

4. What lab equipment is usually used to measure molarity of a solution?

You should write these procedures down before continuing to the Unit 7D video.