Objective(s):
- To learn how to calculate a dilution and plan a procedure to form a solution of a new 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?”
QUESTIONS TO CONSIDER:
Unit 7, SEGMENT D

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

1. Describe the color of the two copper (II) nitrate solutions you made, what do you notice about the shades of blue? What explains the similarity in color?

2. Define the term dilution.

3. Write the formula known as the dilution equation.

4. Scientists almost always solve for $V_1$ in a dilution. Solve for $V_1$ in the following situation: What volume of 17.5 Molar stock solution of acetic acid is required if we prepare 500 milliliters of a 1 Molar acetic acid solution? Show the calculation.

5. Now, write your plan for a dilution from the video or provided by your teacher.

You should write these plans before continuing to the Unit 7E video.