

### Concentration Worksheet 1

1. How many mL are in 1 L?
2. Convert 13 L to mL.
3. Convert 1892 mL to L.
4. 65 g of sugar is dissolved in 750 mL of water. What is the concentration of the solution?
5. If a solution has 50.0 g of salt and a concentration of 0.5 g/mL, find the volume of the solution.
6. If the concentration of a solution is determined to be 0.27 g/mL and it was dissolved in 200. mL of solvent, how much solute was used to make it?
7. You have 125 g of potassium sulfate and 325.6 L of solution. What is the concentration of your solution?
8. Calculate the concentration in grams per liter of a 45.0 mL solution containing 0.0762 moles of Iodine ( $I_2$ ).