

Name: \_\_\_\_\_

## ***Concentration Worksheet***

Show all work and use the correct units

1. Find the concentration of a mixture that contains 12.0 grams of silver nitrate in 60.0 mL of water.
2. Find the concentration of a mixture that contains 1600 grams of salt in 4 liters of water.
3. What mass of solute would be needed to make 50.0 mL of salt solution having a concentration of 10.0g/L?
4. What mass of solute would be needed to make 6.00 L of nickel nitrate solution having a concentration of 24.0 g/l?
5. 12.0 grams of nickel (II) chloride has dissolved in 60.0 mL of water. What mass of nickel chloride would you add to 600 mL of water so you would have a solution of the same concentration?
6. What volume of solvent in liters is needed to make a solution having a concentration of 10 g/L if you are using 5 grams of solute?