

**Solve the following. Be sure to round for significant figures and include appropriate units.*

1. What is the molarity of a solution in which 65 g of NaCl are dissolved in 1.0 L of solution?
2. What is the molarity of a solution in which 15.0 g of AgNO_3 is dissolved in 500. mL of solution?
3. How many grams of KNO_3 should be used to prepare 2.00 L of a 0.500 M solution?
4. To what volume should 5.0 g of KCl be diluted in order to prepare a 0.25 M solution?
5. How many grams of CuSO_4 are needed to prepare 100. mL of a 0.150 M solution?
6. If 45.0 g of AgCl are used to prepare a 2.50 M solution, what volume of solution is present?

Molarity