CHEMISTRY MATTERS
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Show all work and circle your final answer.

1. What is the molarity of a solution that contains 0.25 mole of solute in 0.50 L of solution?

2. What is the molarity of a solution that contains 125 g NaCl in 4.00L of solution?

3. How many moles of HCl are present in 0.70 L of a 0.33 M solution of HCl?

4. What mass of KCl is contained in 3.00 L of solution that has a molarity of 1.50 M?

5. How many liters of solution can be produced from 2.50 moles of solute if a 2.00 M solution is needed?