

General Chemistry
Mr. MacGillivray
Quiz #31:
Molarity

Solve the following problems. Show all work.

1. Determine the concentration of a solution in which 1.50 mol of NaCl is dissolved in enough water to make 12.0 L of solution.
2. Determine the concentration of a solution in which 1.50 g of NaCl is dissolved in enough water to make 12.0 L of solution.
3. A chemistry student needs 50.0 ml of 0.035 M NaCl (aq) in order to carry out a lab experiment. However, the only solution available in the lab is 0.100 M NaCl (aq). Explain how she would make the dilute solution that is needed for her experiment.