

Pre-AP Chemistry and Chemistry I
Unit #11—Solutions

Molarity and Solution Calculations

Calculate the Molarity for each solution.

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| 1) 2.3 moles of NaCl in 0.45 liters of solution. | 5) 98 grams of NaOH in 2.2 liters of solution. |
| 2) 1.2 moles of CaCO ₃ in 1.22 liters of solution. | 6) 45 grams of KF in 0.75 L of solution. |
| 3) 0.09 moles of Na ₂ SO ₄ in 12 mL of solution. | 7) 1.2 grams of HCl in 25 mL of solution. |
| 4) 0.75 moles of LiF in 65 mL of solution. | 8) 120 grams of Ca(NO ₃) ₂ in 240 mL of solution. |