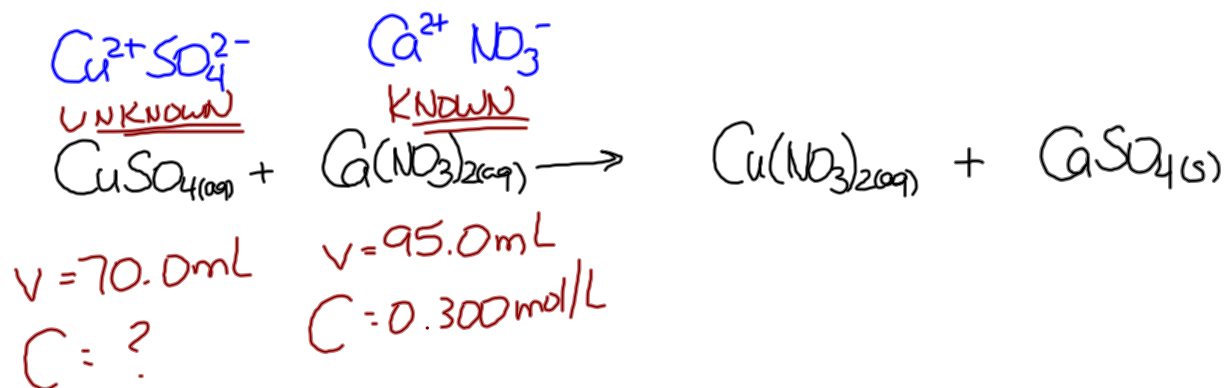


Homework - Worksheet



Step 1: Moles Known

$$0.0950 \text{ L } \text{Ca(NO}_3)_2 \times \frac{0.300 \text{ mol Ca(NO}_3)_2}{1 \text{ L Ca(NO}_3)_2} = 0.0285 \text{ mol Ca(NO}_3)_2$$

Step 2: Moles Unknown

$$0.0285 \text{ mol Ca(NO}_3)_2 \times \frac{1 \text{ mol CuSO}_4}{1 \text{ mol Ca(NO}_3)_2} = 0.0285 \text{ mol CuSO}_4$$

Step 3: Concentration unknown

$$\frac{0.0285 \text{ mol CuSO}_4}{0.0700 \text{ L CuSO}_4} = \boxed{0.407 \text{ mol/L CuSO}_4}$$

Solution Stoichiometry Worksheet