

Homework - Worksheet

Solutions Test

- Net Ionic Equations
- Properties of Solutions
Solute/solvent, factors affecting rate of dissolving

- Solubility

- Henry's Law

- Concentration

- Dilutions

$$\frac{S_1}{P_1} = \frac{S_2}{P_2}$$

$$\rightarrow C = \frac{n}{V}$$

% m/m
% v/v

$$V_i C_i = V_f C_f$$



$$m = ?$$

$$V = 225 \text{ mL}$$

$$C = 0.0350 \text{ mol/L}$$

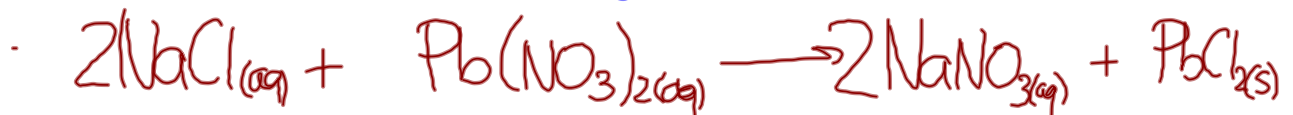
$$C = \frac{n}{V}$$

$$0.0350 \text{ mol/L} = \frac{n}{0.225 \text{ L}}$$

$$n = (0.0350 \text{ mol/L})(0.225 \text{ L})$$

$$n = 0.007875 \text{ mol}$$

$$0.007875 \text{ mol CaCl}_2 \times \frac{110.98 \text{ g CaCl}_2}{1 \text{ mol CaCl}_2} = \boxed{0.874 \text{ g}}$$



Test Review

p. 347 #53-55

p. 499 #42, 44, 45, 48, 51-55

Worksheet