

# **Homework - Worksheet**

# Solutions Test

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

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

$$V_i C_i = V_F C_F$$

$$\% v/v = \frac{V_{\text{solute}}}{V_{\text{sol'n}}} \times 100\%$$

$$\% m/m = \frac{m_{\text{solute}}}{m_{\text{sol'n}}} \times 100\%$$

50% m/m

$m_{\text{sol'n}} = 188\text{g}$

$m_{\text{solute}} = ?$

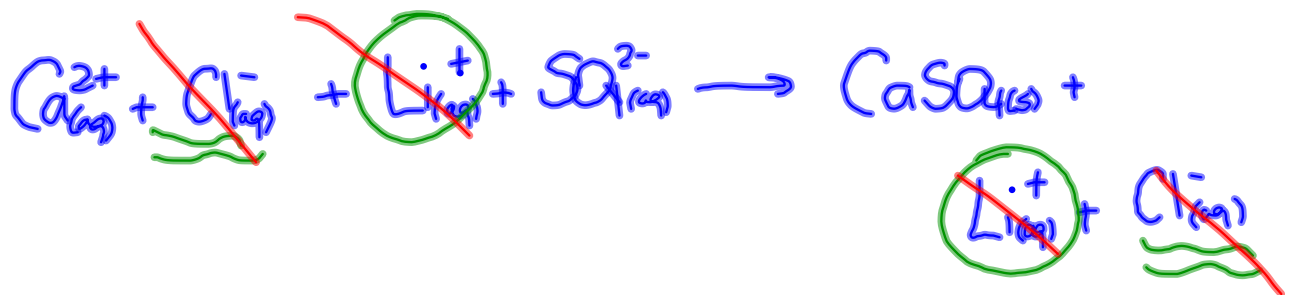
$$\% \text{ m/m} = \frac{m_{\text{solute}}}{m_{\text{sol'n}}} \times 100\%$$

$$50. \% = \frac{m_{\text{solute}}}{188\text{g}} \times 100\%$$

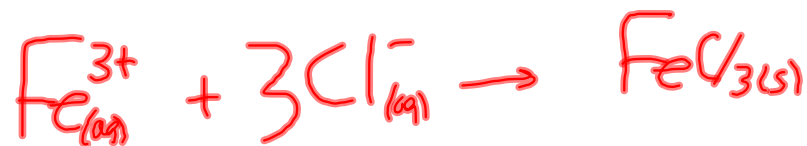
$$\frac{0.50}{1} = \frac{m_{\text{solute}}}{188\text{g}}$$

$$(0.50)(188\text{g}) = m_{\text{solute}}$$

$$m_{\text{solute}} = 94\text{g}$$



Spectator:  $\text{Li}^+_{(aq)}, \text{Cl}^-_{(aq)}$



# **Test Review**

**p. 347 #53-55**

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

**Worksheet**