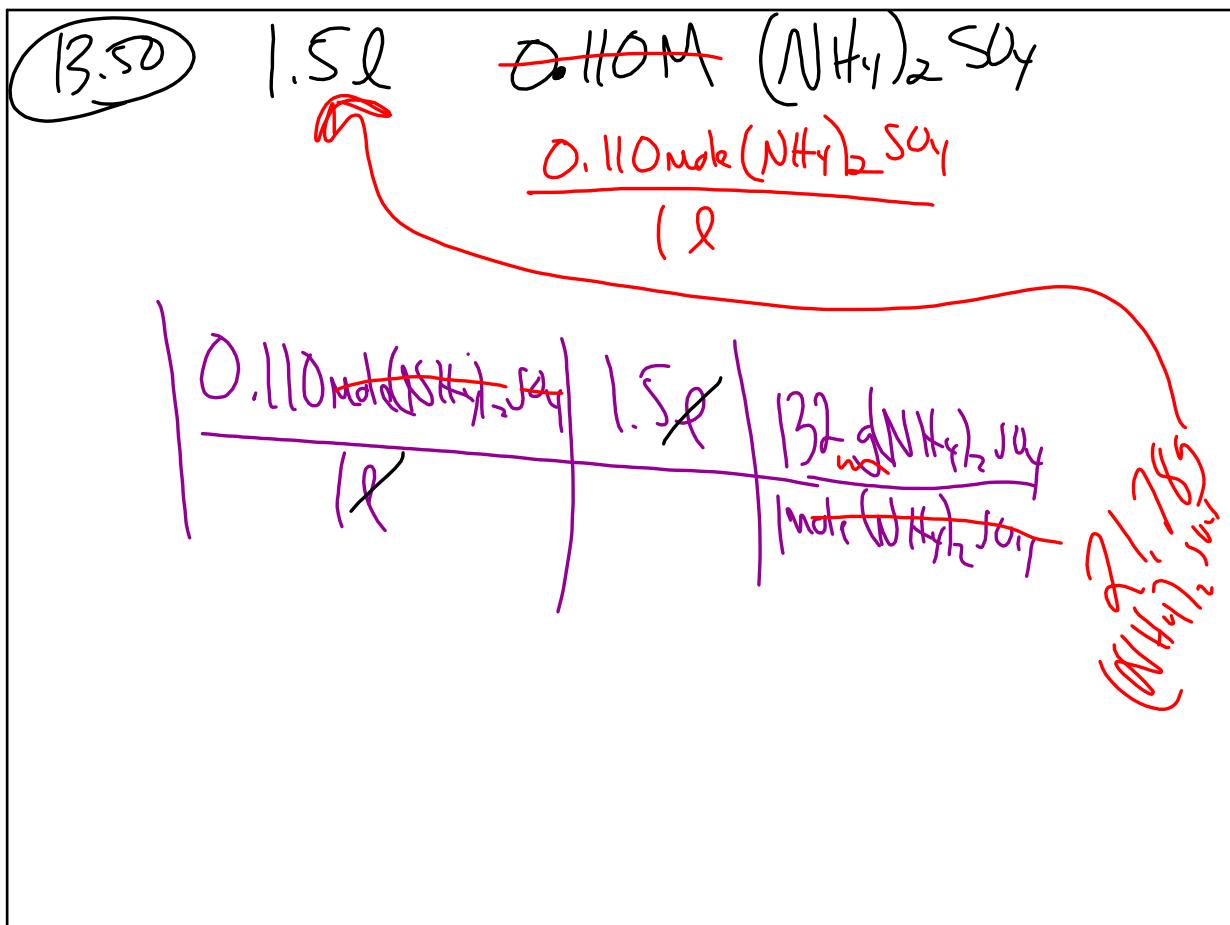
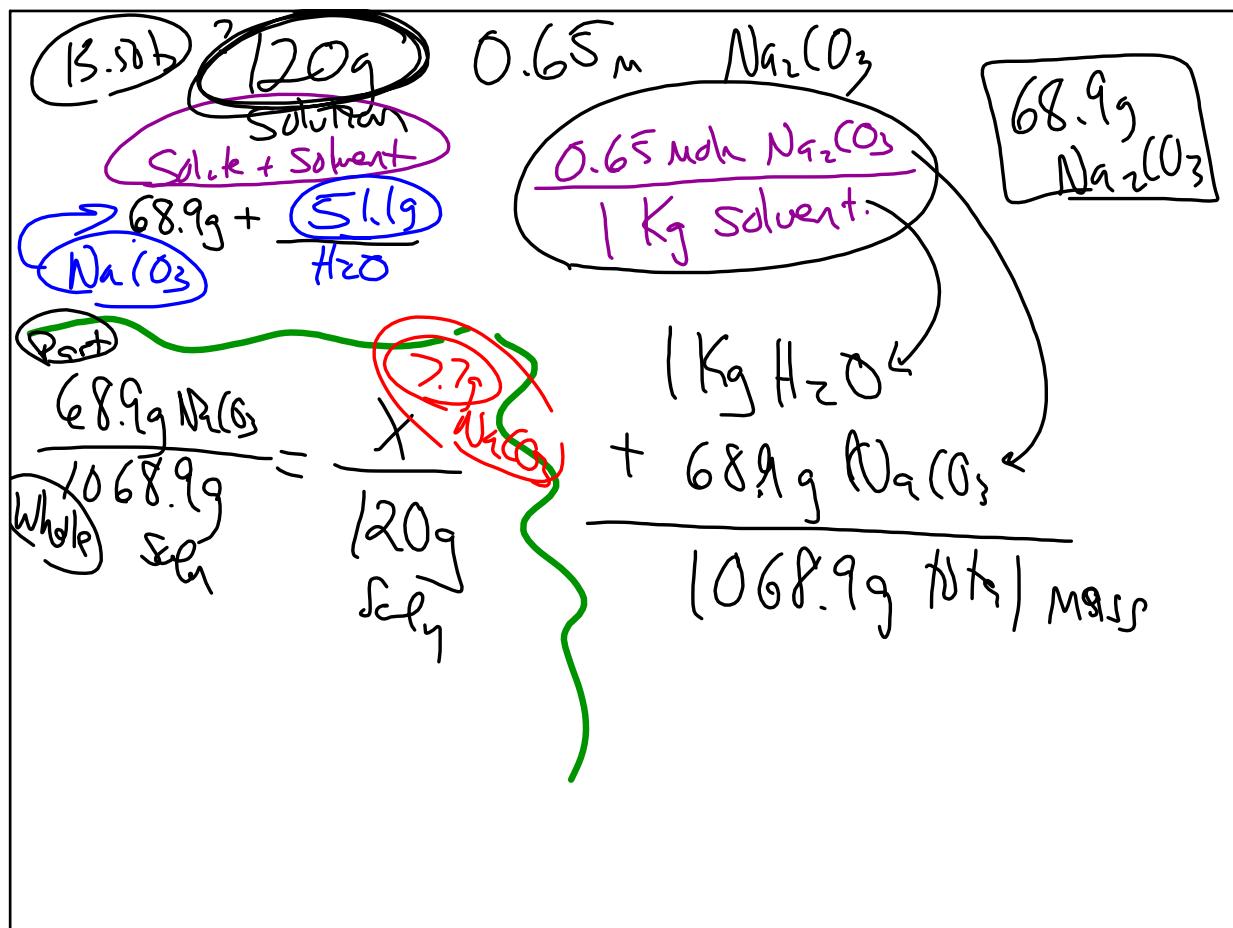


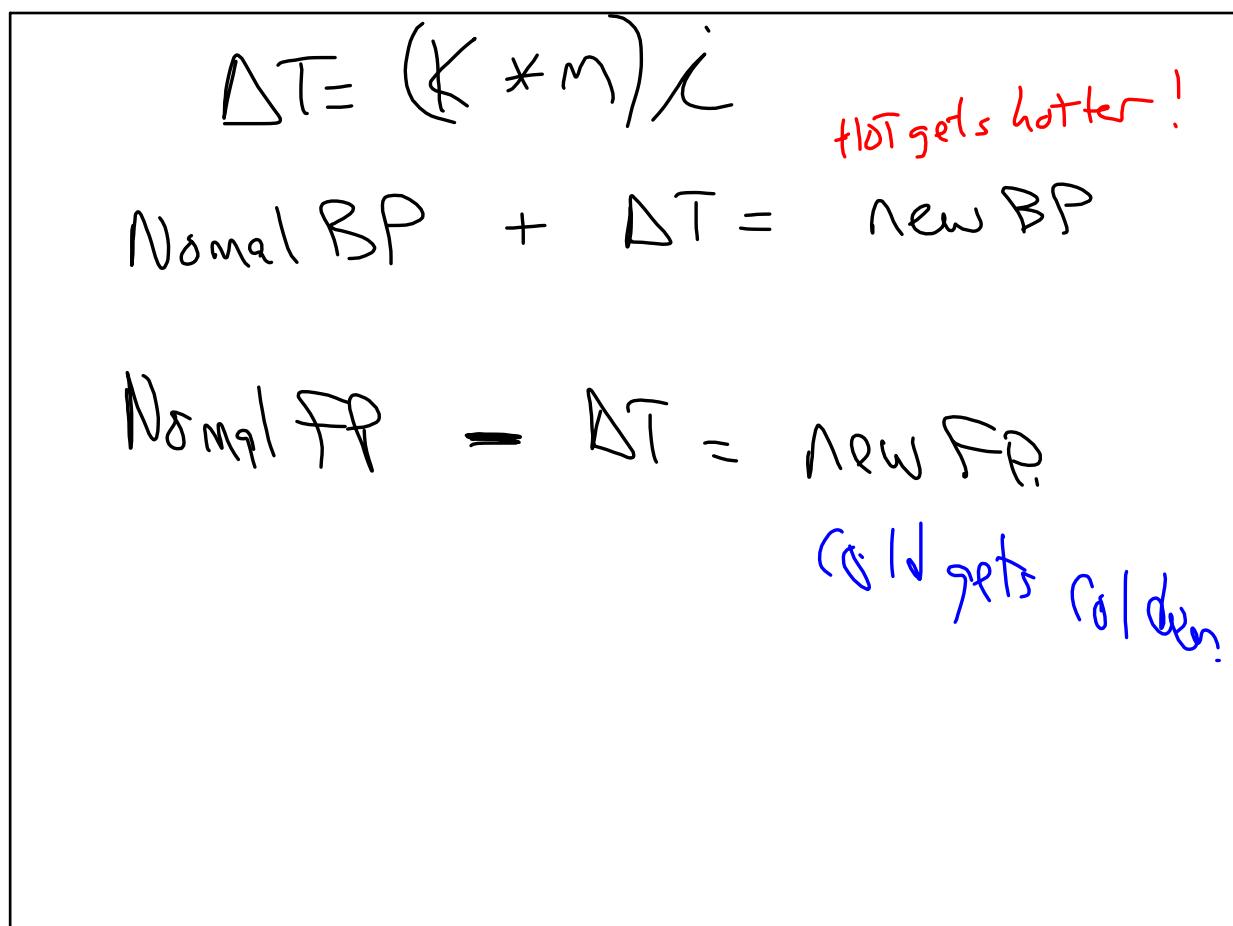
Jan 7-7:50 AM



Jan 7-8:21 AM



Jan 7-8:25 AM



Jan 7-8:35 AM

Add 25g NaCl to 1l such new BP = ?

$$\Delta \text{BP} = 100^\circ\text{C}$$

$$\Delta T = (K \times m) c$$

$$\Delta T = (0.51 \times \frac{\frac{25}{58}}{1\text{kg}}) 2$$

$$\Delta T = 0.44^\circ\text{C}$$

$$\text{New BP} = 100.44^\circ\text{C}$$

$$K_b = 0.51 \text{ m}^\circ\text{C}$$

$$K_f = 1.86 \text{ m}^\circ\text{C}$$

$$\frac{1\text{g}}{1\text{mp}} \cdot \frac{1000\text{g}}{1000\text{mp}} = \frac{1\text{kg}}{1\text{l}}$$

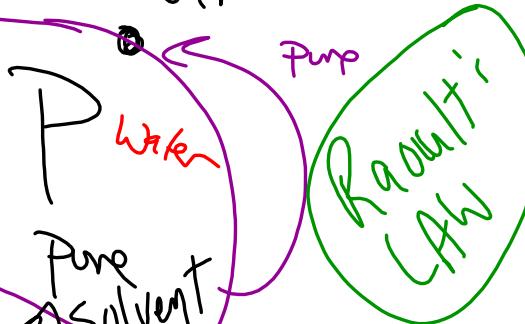
Jan 7-8:37 AM

Add 25g NaCl to 1l H₂O \rightarrow 100ml
1000g

ΔBP to we ΔVP
Vapour Pressure.

(salt water)

$$\text{VP}_{\text{Solen}} = X_{\text{Water}} \cdot \text{VP}_{\text{Solen}}$$



Pure P / / /
Text

$$\text{Mole solvent} = \frac{\text{Mole solvent} + \text{mole solute}}{\text{Mole solvent} + \text{mole solute}}$$

$$\frac{1000}{18} + \frac{25}{58} = X_{\text{H}_2\text{O}}$$

Jan 7-8:41 AM

PS 13 #1-15

Skip 3, 9, 11

Jan 7-8:47 AM