Name:		
Honors Chemistry: \square yellow	□ blue	$\ \Box \ \mathrm{red}$

Colligative Properties

1. If 45 grams of sodium chloride were added to 500, grams of water, what would the melting and boiling points be of the resulting solution? $K_b\left(\mathrm{H_2O}\right) = 0.52\frac{^{\circ}\mathrm{C}}{^{\circ}\mathrm{m}}$ and $K_f\left(\mathrm{H_2O}\right) = 1.86\frac{^{\circ}\mathrm{C}}{^{\circ}\mathrm{m}}$.

2. What is the vapor pressure of the solution in problem #1 at 25.0°C? The vapor pressure of pure water at 25.0°C is 3.17 kPa.

