**Colligative Properties Formula Sheet:**

|  |  |
| --- | --- |
| **Useful Notes:**  **Adding Salt to Water:** | **Boiling Point (BP) Elevation:**  **Freezing Point (FP) Depression:**  For H2O: |
| **Molarity:**  **Molality:** | **Osmotic Pressure:** |
| |  |  | | --- | --- | | **Substance:** | **Van’t Hoff Factor:** | |  |  | |  |  | |  |  | |  |  | |  |  | | **Van’t Hoff Factor:**  **Ion Pairing:**  Note: |
| **Mole Fraction for Solutions:** | **Vapor Pressure of a Solution:** |
| **Mole Fraction of Gases in the Vapor Phase:** | **Solution Vapor Pressure**: (2 Volatile Components) |
|  | **Partial Pressure:** |

|  |  |
| --- | --- |
| **Vapor Pressure:**  **Note:** | **Clausius -Clapeyron Equation:**  **Note:** |
| **Temperature:** | **Enthalpy of Vaporization:** |
| **Graph:** | **Slope-Intercept Form:**  **Slope of Straight-Line Plot:** |