**Colligative Properties Formula Sheet:**

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| **Useful Notes:****Adding Salt to Water:** | **Boiling Point (BP) Elevation:****Freezing Point (FP) Depression:**For H2O:  |
| **Molarity:****Molality:** | **Osmotic Pressure:** |
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| **Substance:** | **Van’t Hoff Factor:** |
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 | **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:** |

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