**Solutions Unit Key points:**

**Compare and Contrast:**

Solution, Colloid, and Suspension

Apply the Molarity as a formula and a unit.

**M=mol/L** mol=MxL & L=mol/M

Apply the Dilution Principle to making dilutions of previous solutions.

**M1V1=M2V2** *(Inversely related, and opposite)*

**Be able to explain how to do this process in the Lab!**

Correctly solve for pressure or solubility using Henry’s Law.

**S1/P1 = S2/P2** *(Directly related, and proportional)*

Understand and explain the following key terms:

Solute, solvent, solvation, concentration

Saturated, Unsaturated, Supersaturated

(Surface area of molecules, stirring, and temperature as dissolution aids)

Tyndall Effect, Transparency, Dispersion, Brownian Motion, Precipitate, emulsion, dilution

(Examples of Colloids)