

Unit 5 – PBOM

At the end of this unit, you'll know that...

- ✓ Differentiate between heterogeneous and homogeneous mixtures
- ✓ Identify the various types of heterogeneous mixtures and their properties – colloid & suspension
- ✓ Identify the various types of homogeneous mixtures and their properties- alloy & solution
- ✓ Define solubility and understand the factors that contribute to solubility - nature of solute and solvent (like dissolves like) & temperature
- ✓ Use Table F to determine if precipitate is formed in a chemical reaction
- ✓ Distinguish between saturated, unsaturated, or supersaturated solutions
- ✓ Read the solubility curve (Table G) to determine if a solution is (1) saturated, (2) unsaturated, or (3) supersaturated
- ✓ Differentiate between dilute and concentrated solutions
- ✓ Calculate various concentrations of a solution using the following: Molarity (M), Percent by Mass, Percent by Volume, Parts per Million (ppm), Prepare a solution of known concentration
- ✓ Explain a solute's effect on a solution (colligative properties) - Freezing Point Depression & Boiling Point Elevation