

Rules to Answer Answer supported by evidence, and reasoning links answer and evidence. Response is specific and detailed. Presence of keywords and scientific terminology.	Rules to Answer Refer content if unable to recall after 15-30sec of trying, then again retrieve from memory without help.	One Mole Elaborate	One Mole atom in gram Elaborate
Mole Fraction Elaborate and give the formula	Henry's Law Elaborate with giving two formula What are the units of Henry constant in the two formula?	Elaborate, Compare and Contrast Molarity and Molality Write down the formula.	Factors affecting solubility of gases Elaborate and state how these factors affect the solubility of gases?
Parts by Mass and Parts by Volume Give the Formula	Parts per million (ppm) Give the Formula	Parts per billion (ppb) Give the Formula	Mole Fraction and Mole Percentage Give the Formula
Colligative Property Define and note down the colligative property	Vapor pressure Lowering Elaborate	Raoult's Law give the formula with describing each term and Elaborate	Vapor Pressure Lowering (ΔP) give the formula with describing each term and Elaborate
Elaborate Vapor pressure of Solutions containing a volatile (Nonelectrolyte) Solute	Ideal Solution Elaborate	Deviations from Raoult's Law Elaborate	Freezing Point Depression Elaborate and give the formula with describing each term
Boiling Point Elevation Elaborate and give the formula with describing each term	Osmotic Pressure Elaborate and give the formula with describing each term	Colligative Property of Strong Electrolyte Solutions How does colligative properties of strong electrolyte solutions differ from non electrolyte solutions?	van't Hoff Factor Elaborate
van't Hoff Factor What will happen to experimentally determined molar mass when there is dissociation or association of solute?	Colligative Property of Strong Electrolyte Solutions Formulate each colligative property of Strong Electrolyte Solution	Isosmotic, Hyperosmotic, Hyposmotic Elaborate with take example of RBCs	Azeotropes Elaborate
Give value 1 atm = ? Pascal	Atomic mass of Co	Ideal gas constant (In terms of Pascal)	Discuss the Strategic Plan Percent by Mass (Density of solution and molecular weight of compounds given) to (i) molality (ii) mole fraction (iii) molarity

Discuss the Strategic Plan

Mole fraction to Percent by
Mass