Solutions -> specie solute dissolving Name: H into solvent Date: BLk: Chemistry 11 Molarity The following are important definitions to know: CONCENTRATION: the amount of solute present in a given volume of solvent is large arrount of solute is present CONCENTRATED: > Small amount of solute is present DILUTE: 0 MOLAR CONCENTRATION: Il mole' of Solvie in Volume of Solvents a water 712 MOLARITY FORMULA: mo M=mol+L mol = MoL  $= mol \stackrel{\circ}{\rightarrow} M$ Example 1. If 5.0 L of solution contains 2.0 moles of Sodium Chloride, what is the molarity of the NaCl? 0.40(M) Naci (2.) moles = Please note: the unitary symbols for molarity are mol/L but they can be expressed as: Na = 23.00.40 molar Nacl M, [ ], or writen as "molar" [Nacl] = 0,40C1 = 35.5**Example 2.** What is the [NaCl] in a solution that contains 5.12 g of NaCl in 250.0 mL of solution? (Intol Naci 58.5 gHatt, 250.0 ml 0.350 M Nac Na = 23.0 0= 16.0 0  $1 \left( - \right) \left( 1 \right)$ 

