	Solutions Notes	
Mixtu	res	
•	a combination of	substances that do
	not combine chemically, but remain the s	ame individual
	substances; can be	by physical means
•	Two types:	
	•	
	•	
Heter	ogeneous Mixture	
•	"Hetero" means	
•	consists of visibly different substances or	
	liquid, gas)	
•	ais a specia	ll type of
	heterogeneous mixture of larger particles	
	settle	
•	Examples:	
	•	
	•	
	•	
Homo	ogeneous Mixture	
•	"Homo" means	
•	has the same uniform	
	througho	
	phase (solid, liquid, gas)	
•	Commonly referred to as	
•	Examples:	
	•	
	•	
	•	
Soluti		
•	a mixture of two or more substances that	is

throughout

 can be physically 	Concentration
• composed ofand	the amount of solute in a solvent at a given temperature
solute:solvent:	described asif it has a low concentration of solute
Give 3 examples of colloids:	 described as if it has a high concentration of solute
• •	described asif contains more dissolved solute than normally possible
Salutas Changa Saluanta	Solubility
 The amount of in a solution determines how much the physical properties of the are changed Lowering the freezing point The freezing point of a liquid solvent when a solute is dissolved in it. Example: 	 the amount of solute that in a certain amount of a solvent at a given and to produce a saturated solution influenced by: Temperature: Solids Gases Example:
 Raising the Boiling Point The boiling point of a solution is than the boiling point of the solvent. Therefore, a solution can remain a at a higher temperature than its pure solvent. Example: 	 Pressure: Solids Gases Example: