ed Notes: Solutions	Nar	Name:	
is a solution? Solutions are	of 2 or more substance	S.	
· They are well	You can't see	phases ().
Examples:			
 Are solutions only liquids?)		
on Vocabulary			
Solvent: substance	Usually pre	sent in a	amou
· Ex			
Solute: substance that gets	·		
· Ex			
Soluble: a substance that	in a	solvent.	
· Ex			
Insoluble: a substance that	in a solvent.		
· Ex			
	particles with		orm a
	icles solvate faster (crushed sugar disso temperature = faster solvation (sa at room temperature or cooler)		
bility*	,		
•	unt of that will dissolv	ve in a given amount of	f
 Usually given in units of: 			
"			<i>"</i>
Phrase scientists when		·	
Means that	occurs when the solute and solvent are		-
	() and	(polar or nonpola	r) will be soluble
Substances that are similar in size			
r: The Super Solvent	because it is a	very versatile	
r: The Super Solvent Sometimes called the			
r: The Super Solvent Sometimes called the and	because it is a recause it is a because it is a recause it is a because it is a recause it is a	her	

	\cdot Example: Sucrose (table sugar) C_1	₂ H ₂₂ O ₁₁		
	· It's possible to dissolve almost	of sugar in	of water!!!	
Temp	erature & Solubility Solubility of solids usually	with an increase in	, (relationship)
	Solubility of a gas in a liquid usually	with an increase in	(relationship
	re & Solubility As the external pressure of a gas in any so	lution	, its solubility	·
	Pressure and solubility are	related.		
Solubi	lity Graph			
-	What is the solubility of NaNO₃ at 10°C? _			
•	How many grams of KNO ₃ can dissolve in 2	200 g of water at 20.0°C?		