

1C.11 Lab Activity: Solvents

Solute	Part II or <i>Slightly Polar</i>		Part III <i>Non polar.</i>		
	Water (H ₂ O)	Ethanol (C ₂ H ₅ OH) <i>ethylene glycol.</i>	Lamp Oil #7 <i>hexane</i>		
	observed	predicted	observed	predicted	observed
<i>Polar</i> Urea, CO(NH ₂) ₂	S		SS		SS
<i>NP</i> Iodine, I ₂	SS		S		S
<i>P</i> Glucose, C ₆ H ₁₂ O ₆	S <i>(SS?)</i>		SS <i>too much solute I?</i>		SS
<i>P</i> Sodium Chloride, NaCl Na ⁺ Cl ⁻	S		SS		I
<i>P</i> Copper(II) sulfate, CuSO ₄ Cu ²⁺ SO ₄ ²⁻	SS <i>(I?)</i>		I		I
<i>P</i> Ammonium Chloride, NH ₄ Cl NH ₄ ⁺ Cl ⁻	S		SS		I
<i>NP</i> Lauric Acid, CH ₃ (CH ₂) ₁₀ COOH	I		I		SS!
<i>P</i> Water	X		S		I
<i>both</i> Ethanol	S		X		S
<i>NP</i> Lamp Oil	I		SS		X