

SOLUBILITY (POLAR VS. NONPOLAR) Name _____

Generally, "like dissolves like." Polar molecules dissolve other polar molecules and ionic compounds. Nonpolar molecules dissolve other nonpolar molecules. Alcohols, which have characteristics of both, tend to dissolve in both types of solvents, but will not dissolve ionic solids.

Check the appropriate columns as to whether the solute is soluble in a polar or nonpolar solvent.

SOLUTES	SOLVENTS		
	Water	CCl ₄	Alcohol
1. NaCl			
2. I ₂			
3. ethanol			
4. benzene			
5. Br ₂			
6. KNO ₃			
7. toluene			
8. Ca(OH) ₂			