When any compound generally ionic is disolved is a polar solvent or in water, different ions of the compound will get separated and will get surrounded by polar salvent molecules. This phenomenon is hydration/solvation. The energy released in this process is known as Solvation Energy. Solubility depends on both battice and solvation energy. Lattice energy of _____ TH+ = readius of cation Lite = readius of onion Solvation energy & + + If difference between nadil of cation and onion is large then solvation energy dominates. of difference between madi of cation and anion is small then lattice energy dominates. For solubility, Solvation > Lattice Energy. LIC LIBN LII LiF Solubility Increases Difference in size 6/w Lit and anion increases.



