

N33 – Solubility Trends

DISSOLUTION \neq DISSOCIATION

dissolution means getting solvated (coated in water)

dissociation means breaking up ionically-bound molecules into their individual ions (charged particles)

I won't leave you sugar! our covalent bond is strong!

I'm strongly attracted to you (your charge is beautiful) but I'm still on the lookout for something better.

glucose fructose sodium chloride

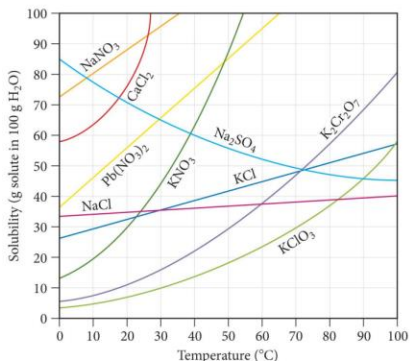
SUCROSE electrolytes dissolve and dissociate

non-electrolytes (might) dissolve but they don't dissociate

See ya!

Water won't split us up! I love you more!

Good thing we only ionically bonded and didn't share electrons!



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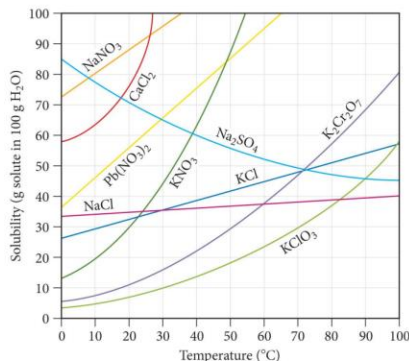
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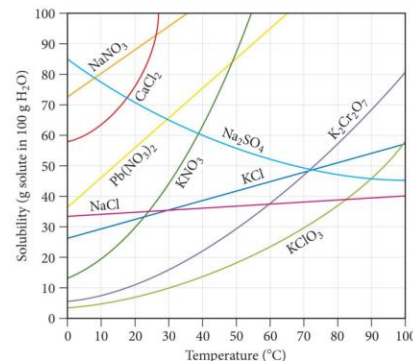
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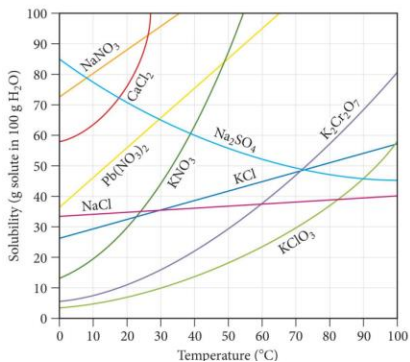
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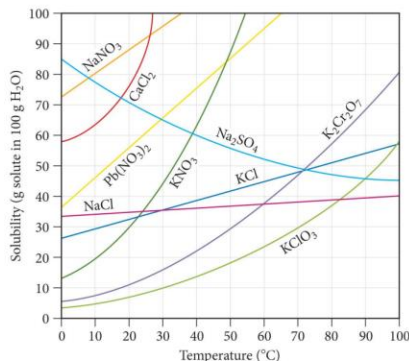
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