ORGANIC CHEMISTRY 1 LECTURE GUIDE 2019

BY RHETT C. SMITH

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Companion Books from the Proton Guru:

Organic Chemistry 1 Reactions and Practice Problems 2019

by Rhett C. Smith

Organic Chemistry 1 Primer 2019,

by Rhett C. Smith, Andrew G. Tennyson, and Tania Houjeiry

Lecture Topic I.2: Polarity, Dipole Moments and Formal Charge Defining Electronegativity

ionic bonds: "Complete" transfer of electrons to give two ions



cation anion

covalent bonds: Equal or Unequal sharing of electrons without "complete" transfer



The extent to which the electron is transferred depends upon how strongly each atom attracts the electrons within the bond. This attractive force is called the ELECTRONEGATIVITY of the atoms.

<u>Notes</u>

The difference in electronegativity (EN) of two bonded atoms will tell you to what extent the electrons in the bond are transferred from one atom to the other.

Notes

Lecture Topic I.2: Polarity, Dipole Moments and Formal Charge Representing Polar Bonds



<u>Notes</u>

Lecture Topic I.2: Polarity, Dipole Moments and Formal Charge Formal Charge: Review and Examples

Formal charge =_

