

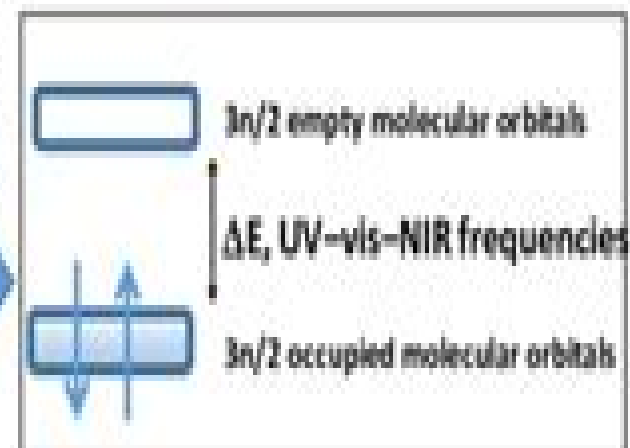


Molecules with alternating singles and double bonds, X = Hydrogen; Heteroatom; conjugated group, cyclic aromatic group. Y = Carbon; heteroatom, cyclic aromatic group.

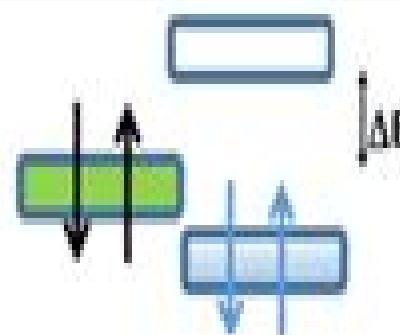
p orbitals along the backbone, each one contains one electron

Overlapping of  $3n$  atomic p orbitals generates  $3n$  molecular orbitals,  $3n/2$  are occupied by  $3n$  electrons,  $3n/2$  are empty

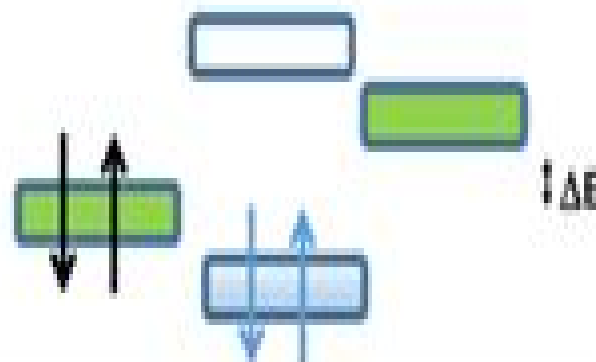
X, Y = Hydrogen, Carbon



X or Y = heteroatom: no bonding orbitals (green colored), containing electron couples, sit between the  $n$  occupied and  $n$  empty orbitals, lowering the  $\Delta E$ .



X = conjugated group: orbitals containing electron couples and empty orbitals (green color) sit between the  $n$  occupied and  $n$  empty orbitals, lowering the  $\Delta E$ .



# Electronic Properties Of Conjugated Polymers

**KJ Lindholm-Leary**



## **Electronic Properties Of Conjugated Polymers:**

## Unveiling the Magic of Words: A Review of "**Electronic Properties Of Conjugated Polymers**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their ability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Electronic Properties Of Conjugated Polymers**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve in to the book is central themes, examine its distinctive writing style, and assess its profound impact on the souls of its readers.

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