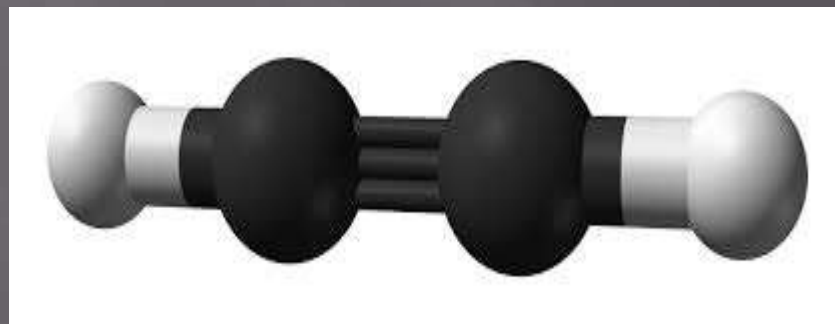
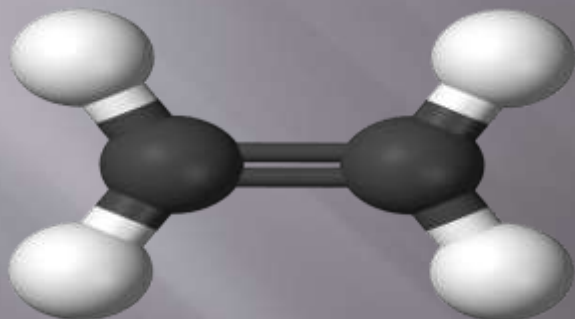


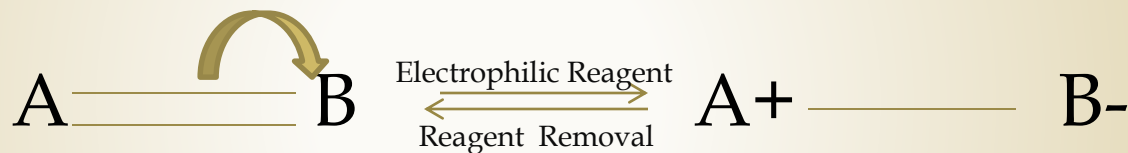
Electromeric Effect

Electromeric Effect

- Electromeric Effect is a temporary effect.
- It is observed only in those organic compounds which having multiple bonds (double bond or triple bond).



- It is the movement of shared pair of pi-electrons from one atom to other atom, when it is attacked by reagent.



Here, B is more electronegative than
A

- The atom to which the electron is completely transferred becomes negatively charged and the other atom becomes positively charged.
- As the reagent is removed, then the compound comes into its original state.

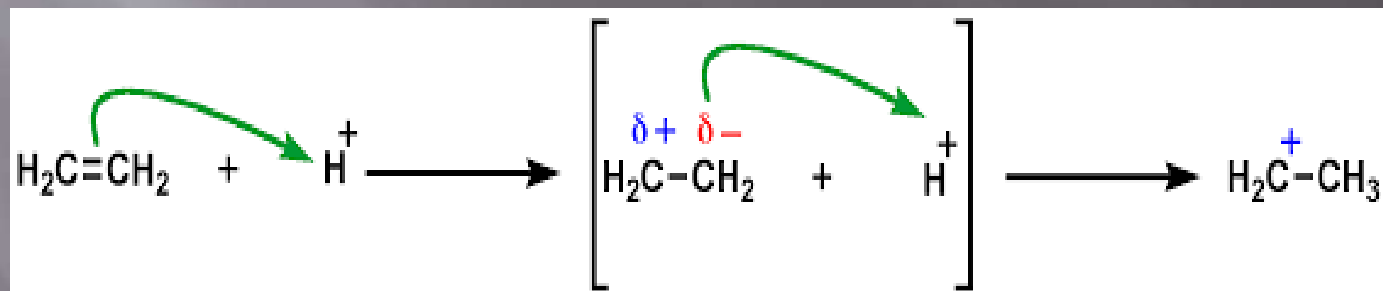
Types of Electromeric effect

Two types of electromeric effect -

Positive electromeric effect -

If the attacking species is an electrophile, then pi- electrons are transferred towards the positively charged atom.

All the alkyl groups have positive electromeric effect.



Negative electromeric effect –

If the attacking species is an nucleophile, then pi- electrons are transferred away from attacking reagent.

All the unsaturated groups have negative electromeric effect.



Thank you

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