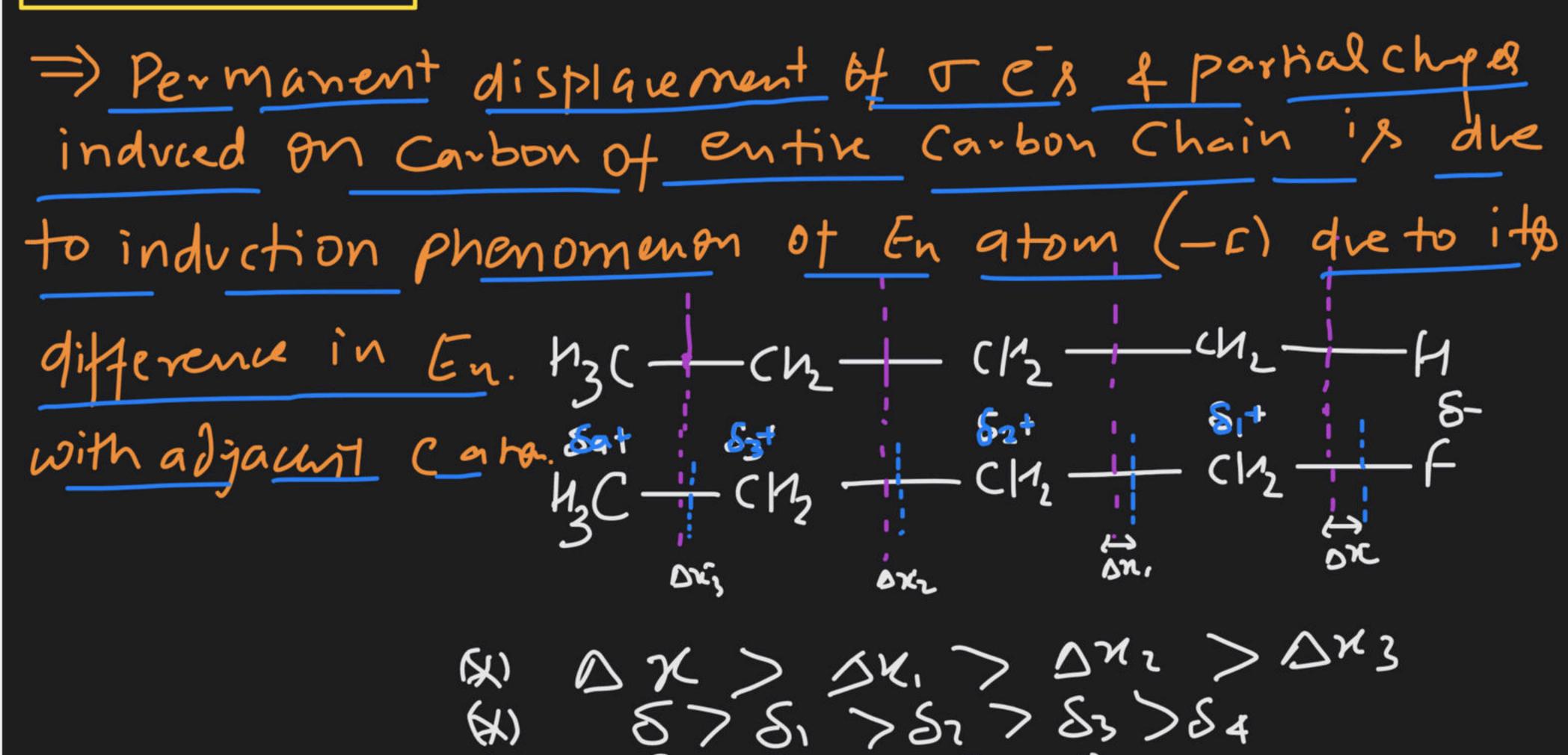
770 UP = 0=> Comple+ Och+ =) Trivalent LP = D -) <u>/</u> = I Incomplete octet WW - 0 =) highly mstable -> No N.D 5M= 7/51+1 -) highly Renchie =) lewis Arid
=) formed by Metholytic Filhily Sp2 hybrids =) only 8 = is

>) Vivally formed in Polar solvent) trigonal place= => 10win Bage -(1)=> only 6 elections. | BA = 120 => MM= => pymill

= 3 SM = 1070

Induction



S= S, +82 +83 +84

Effect Caused due to induction phenomenon of F in entire Compound is known as Inductive (I) effect of Fatom.

Note (i) Permanent effect (ii) effect is applicable only on & es (il) distance dependent effect (IV) effect las distance inorges with A/Gnovp election displacement in I effect takes plake within Bonding Orbital. (Vi) =c-M Bond is taken as a Refrence. (vii) I effect is weak effect because signabonds are Streer Bonds. Types of I effect =) There are two types of Inductive (I) effect (1) -Inductive effect (-I effect) when rate of attraction of Bonding e pair By any A/G is higher than rate of 9thichian care A/G by Matom thun pair election & A/G By Matom thun effect shown - C- H is known as -I effect of A/G

Theries decreing Order of Electronegativity
of atom/groups. $-H_{13} > -H_{183} > -H_{13} > -H_{102} > -CEN$ >-coor >- F>-c1>-B>>-Z>-coor >ーロア >ーロリーハル >ー(ミ(リ)ー(リ))ー(リー(カ)

IT VAIG

(-I effect by A/G)

[Note] (1) - I atom & groups are Electron withding in northe. Exi. Arrye following in I ander of I effect (1) — f, — c1, — Br, — t (- I effect) (2) —CF3,—(U3,—(1853,—(I) (3) - cn2-cn3 - cn3 (+ t e Heal)

(4)
$$-cv_2-cv_2-cv_3$$
 $-cv_2-cv_3$ (+ $Ecfect$)

(5) $-T$, $-D$, $-H$ (+ $Iefect$)

(6) $-(T_3, -CD_3, -cv_3)$ (+ $Iefect$)

(7) $-(D_3-ch)_2-(N_2)-cv_3$ (+ $Iefect$)

(8) $-c-cv_2-cv_3$ $-c-cv_3$ $-$

