

General Organic Chemistry

GOC

(#) Let us consider a organic reaction



Each organic reaction involves Bond Breaking & Bond formation.

Bond Breaking / Bond Fission / Bond Cleavage:

There are two types of Bond Breaking

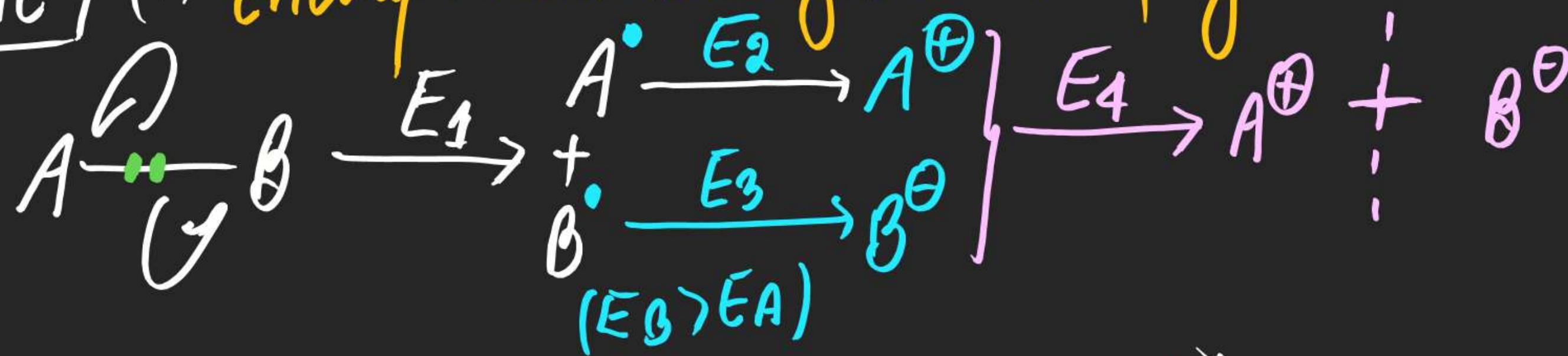
(1) Homolytic Bond Breaking: In Such Type of Bond Breaking Bonding Electrons are equally distributed b/w bonding atoms so that electrically neutral free Radicals are obtained.



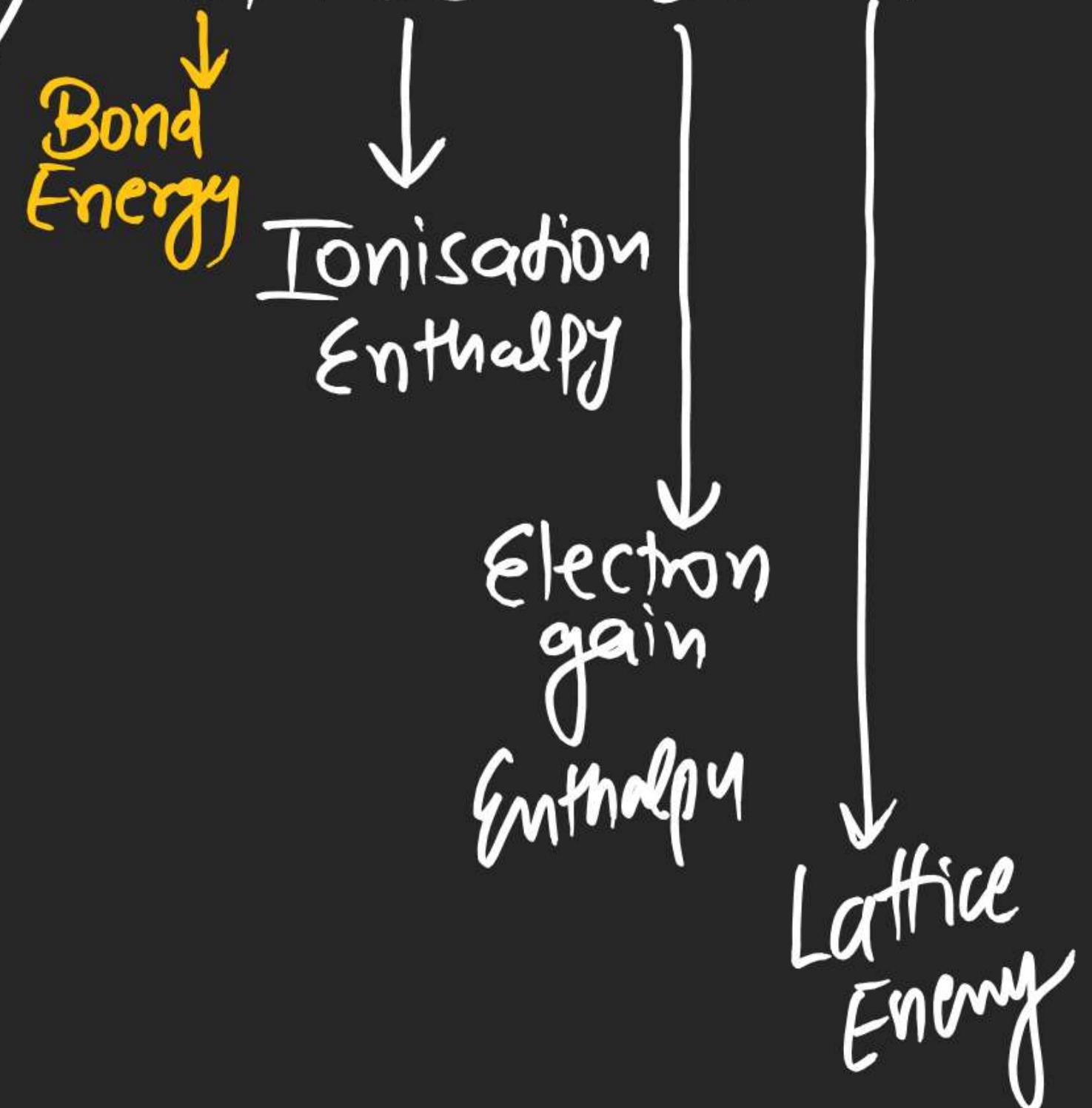
(#) Heterolytic Bond Breaking: In Such kind of Bond Breaking Bonding e⁻s are shifted towards more electronegative atom so that Ions are obtained.



Note (ii) Energy involved during Bond Breaking



$$\text{Total Energy} = E_1 + E_2 + E_3 + E_4$$



Paper \Rightarrow discs
BB (70-100)

Sheet Ex-2

Remaining
1