

# 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.

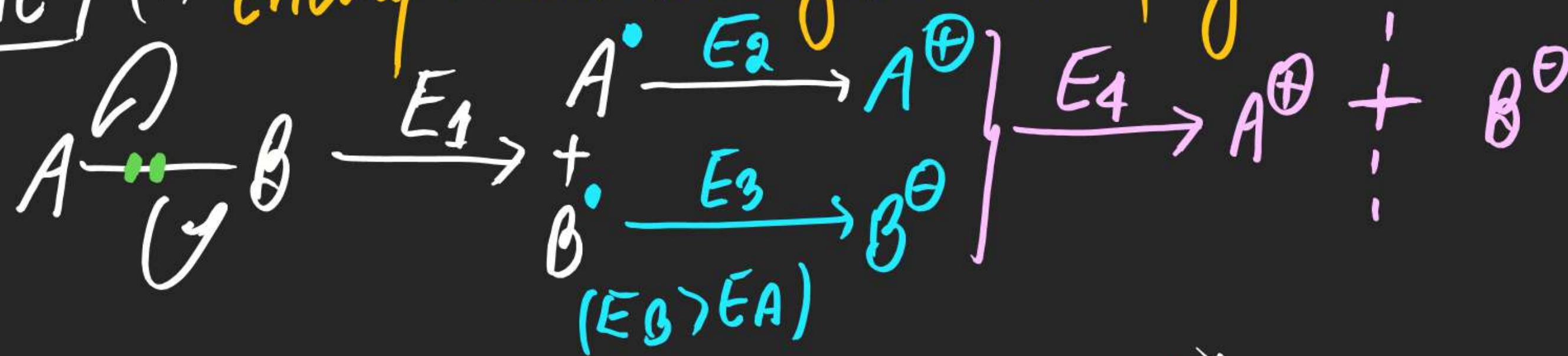


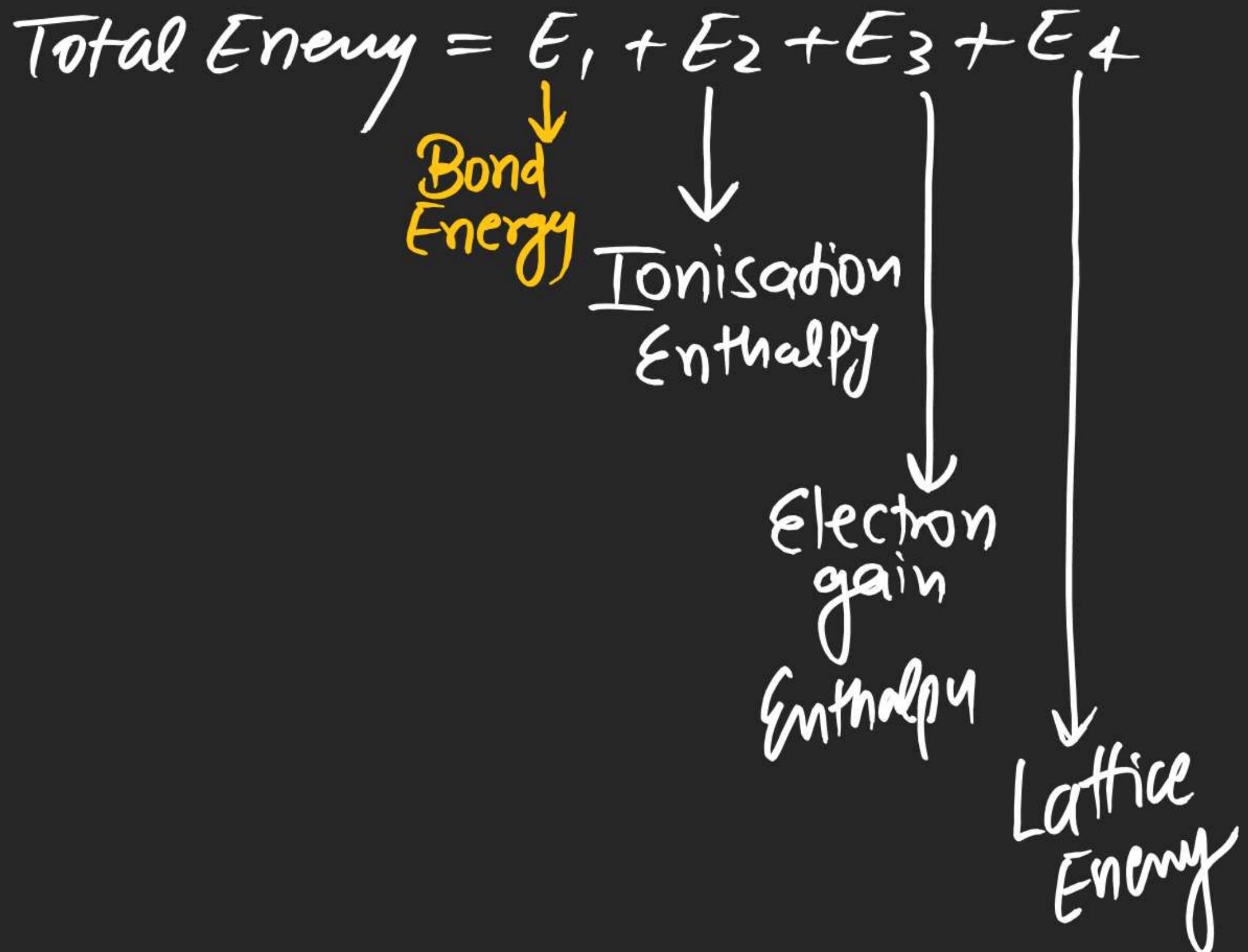
## (#) Heterolytic Bond Breaking:

In Such kind of Bond Breaking  
Bonding e<sup>-</sup>s are shifted towards more electronegative atom so  
that Ions are obtained.



**Note** (i) Energy involved during Bond Breaking





Paper  $\Rightarrow$  discus  
BB (70-100)

Sheet Ex-2

Remaining  
1