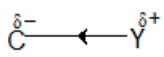
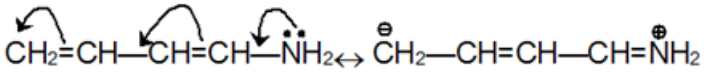
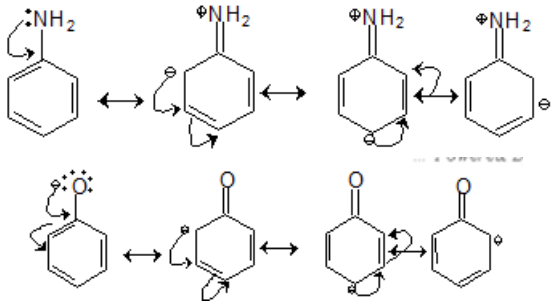
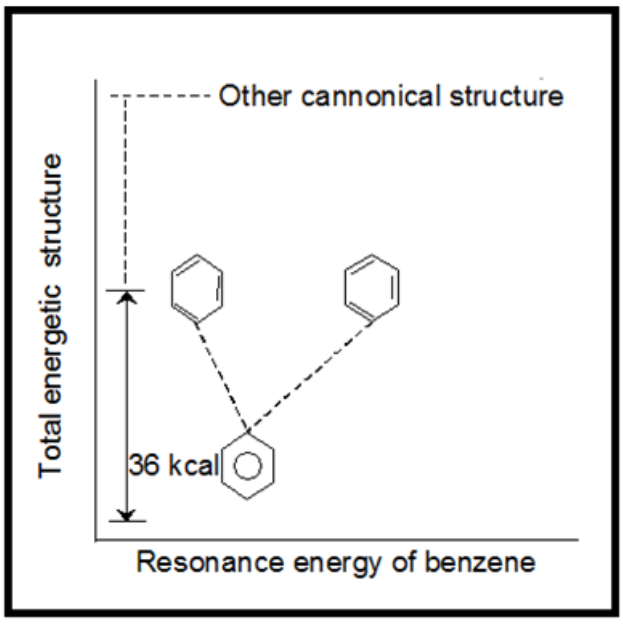
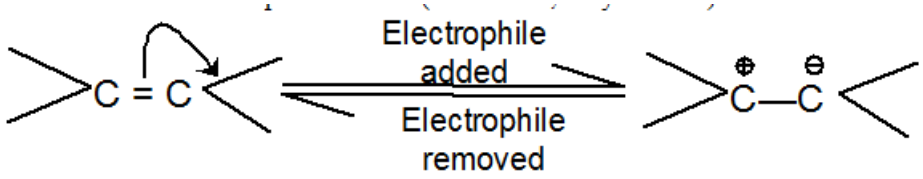

δ+
δ−
C
X

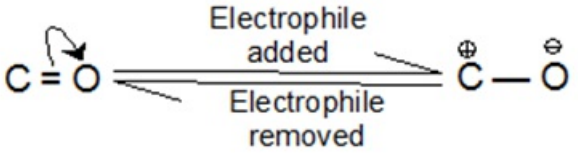

δ−
δ+
C
Y

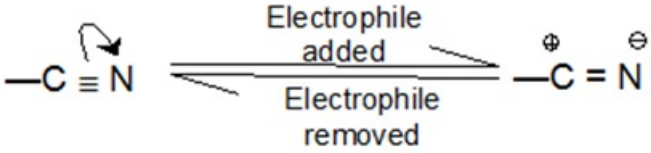


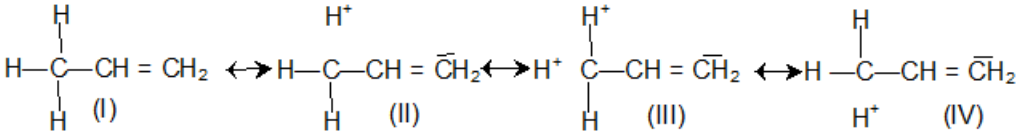



Other cannonical structure
Total energetic structure
36 kcal
Resonance energy of benzene

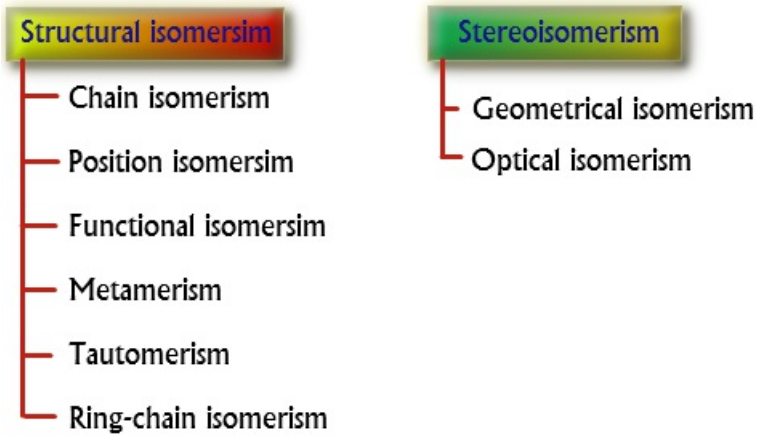

Electrophile
added
Electrophile
removed

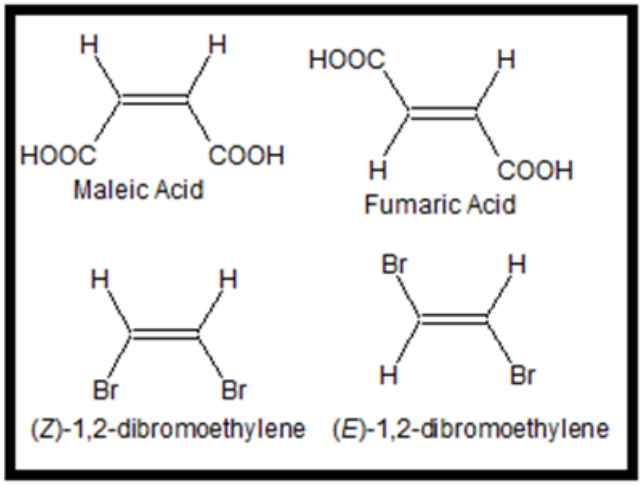

Electrophile
added
Electrophile
removed

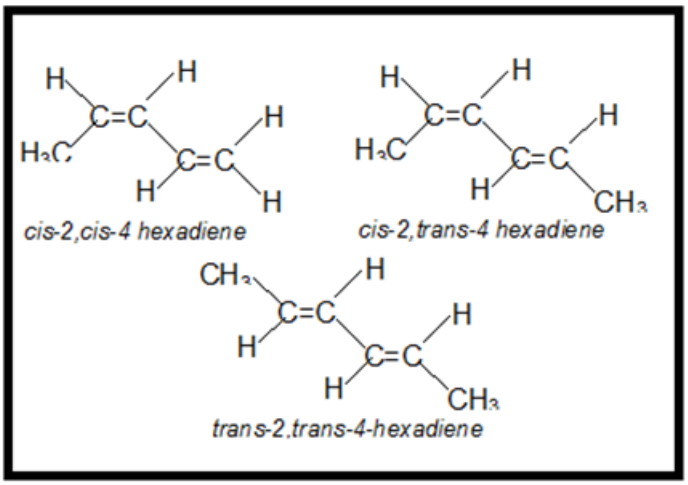

Electrophile
added
Electrophile
removed


(I)
(II)
(III)
(IV)

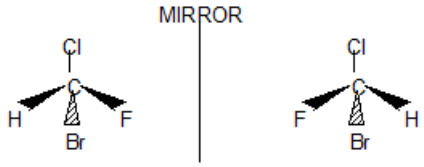
$(CH_3)_3\dot{C} > (CH_3)_2\dot{C}H > CH_3\dot{C}H_2 > \dot{C}H_3$

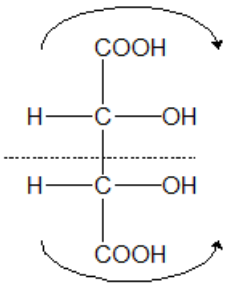

Structural isomersim
Chain isomerism
Position isomersim
Functional isomersim
Metamerism
Tautomerism
Ring-chain isomerism
Stereoisomerism
Geometrical isomerism
Optical isomerism



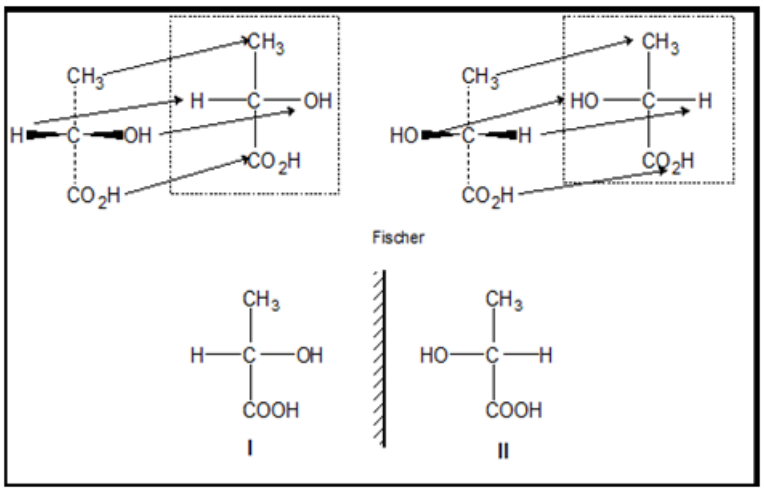


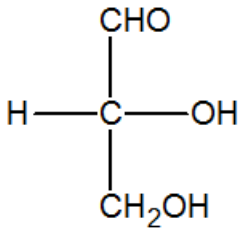
$$[\alpha]_D^{t^o} = \frac{a_{obs}}{l \times c}$$





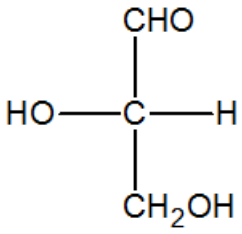
Inactivity of Meso Tartaric acid by Internal Compesnation





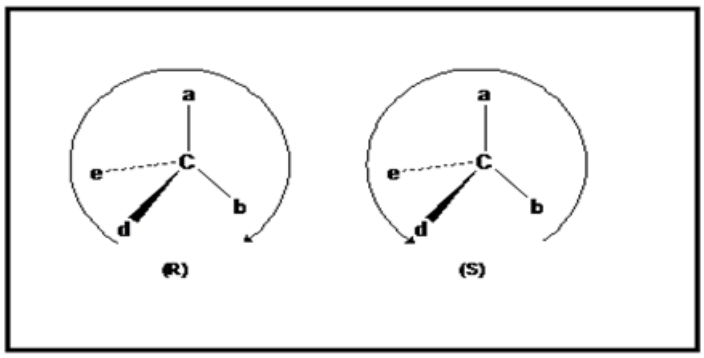
(+)-glyceraldehyde

D configuration



(-)-glyceraldehyde

L configuration


a
e
C
b
d
(R)
a
e
C
b
d
(S)

-
-
-
-
  -
  -
  -