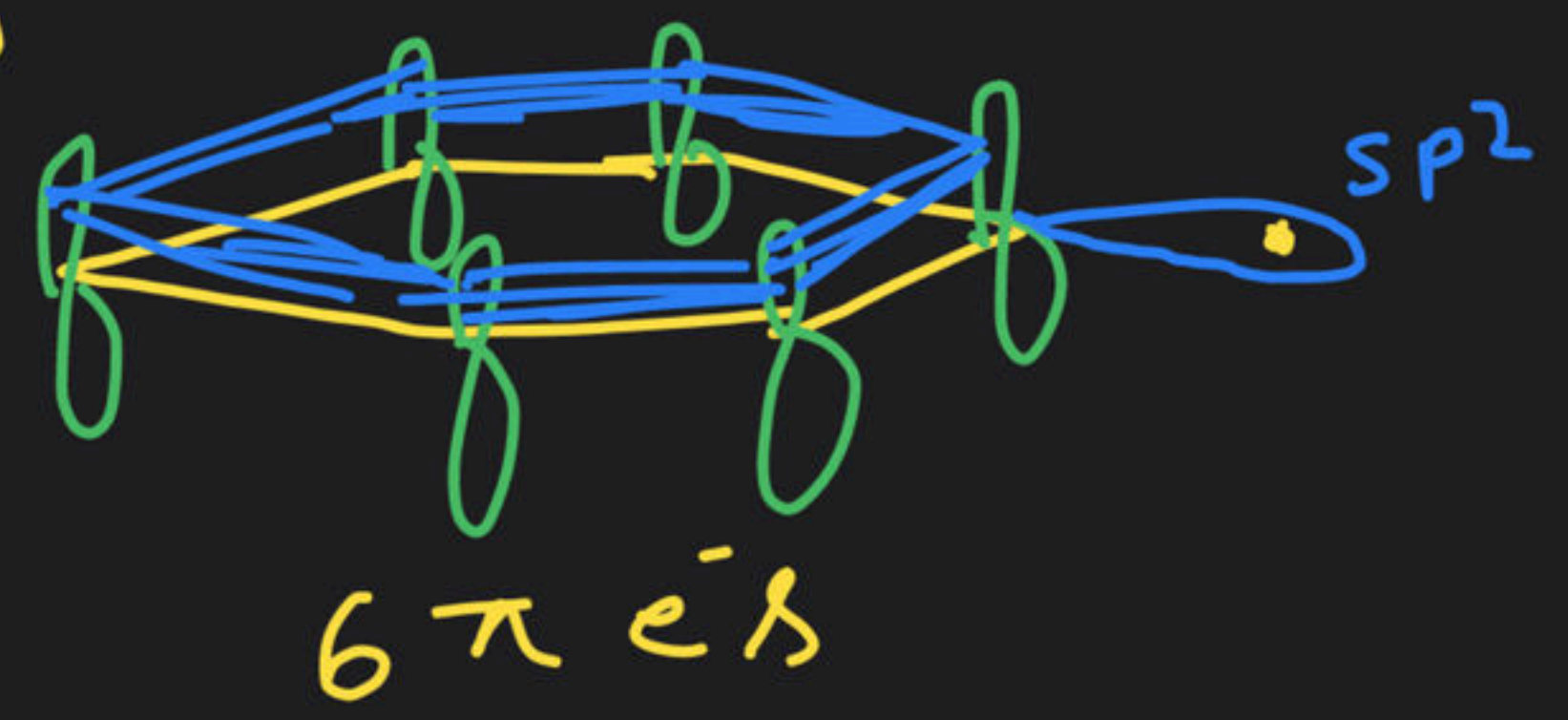




Basic Strength, Heat of Combustion and Heat of Hydrogenation

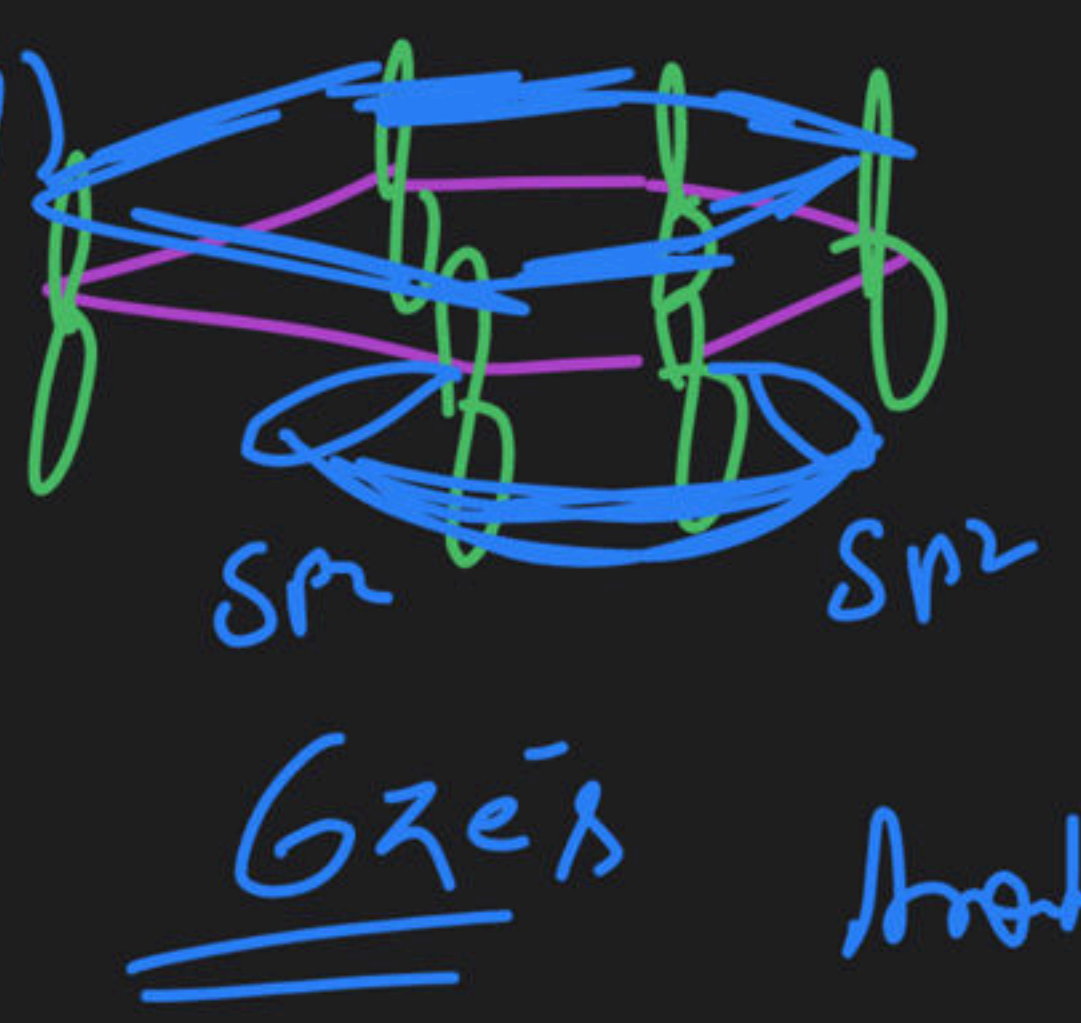
Course on General Organic Chemistry for Class XI

(44)



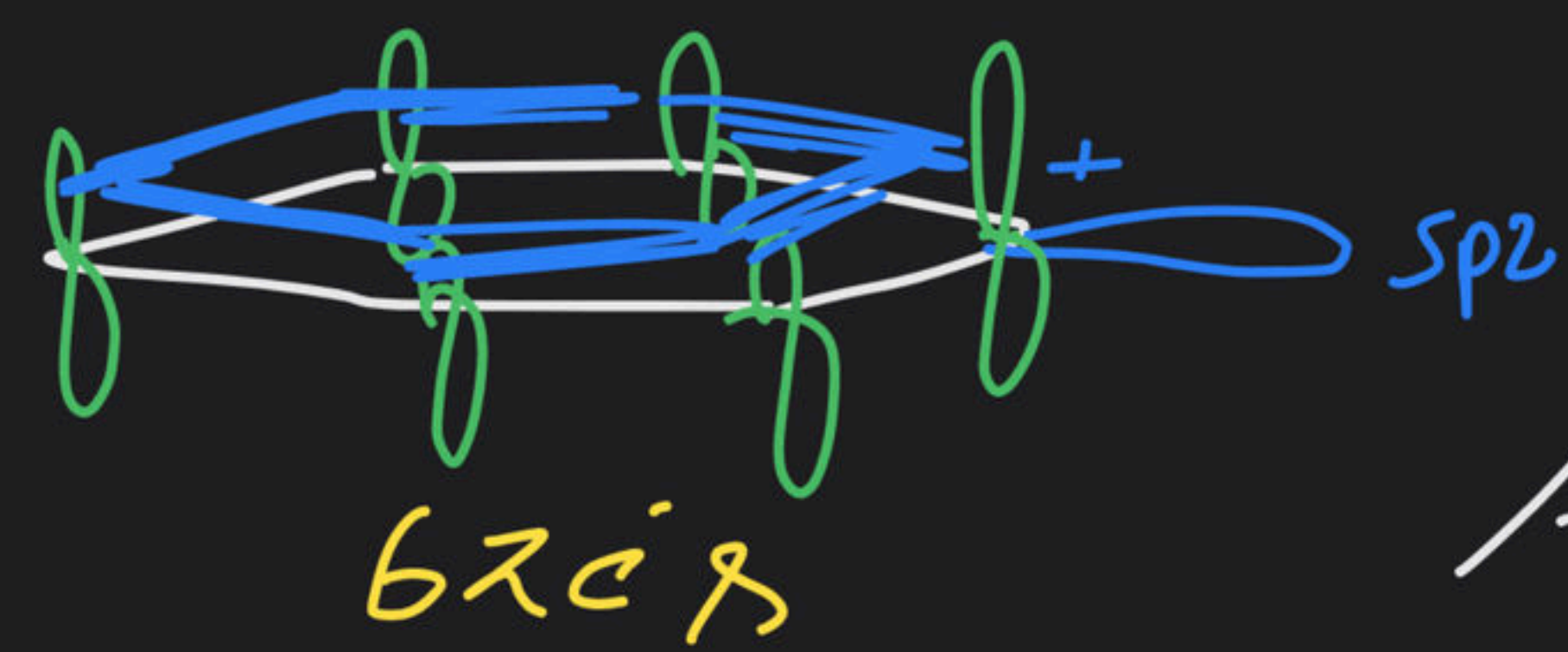
Aromatic

(47)



Aromatic

(45)



Aromatic

(48)

Aromatic

(49)

Aromatic

(39)

Aromatic

(40)

Aromatic

(10 πe^-)

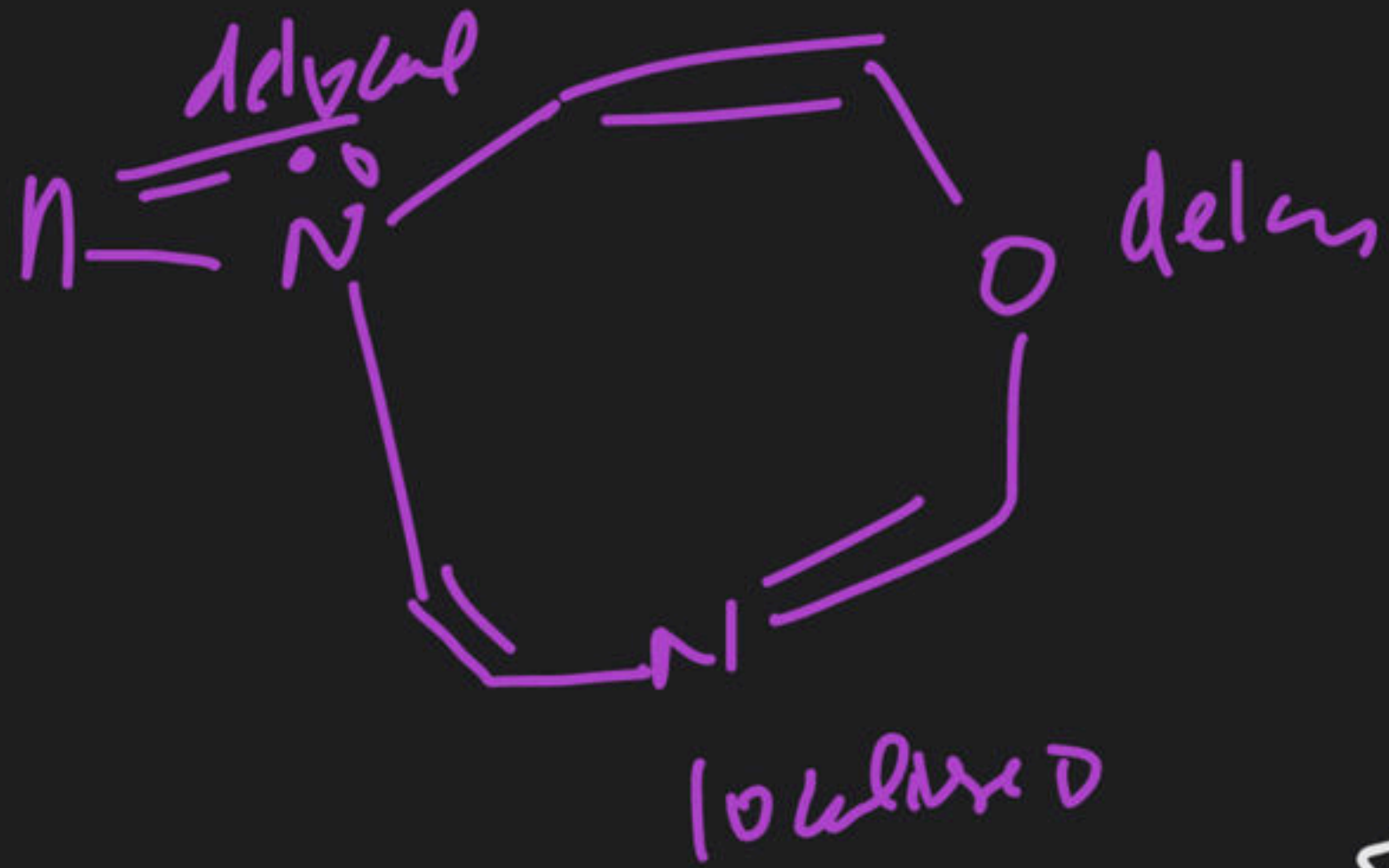
(46)



Aromatic

$6\pi e^-$

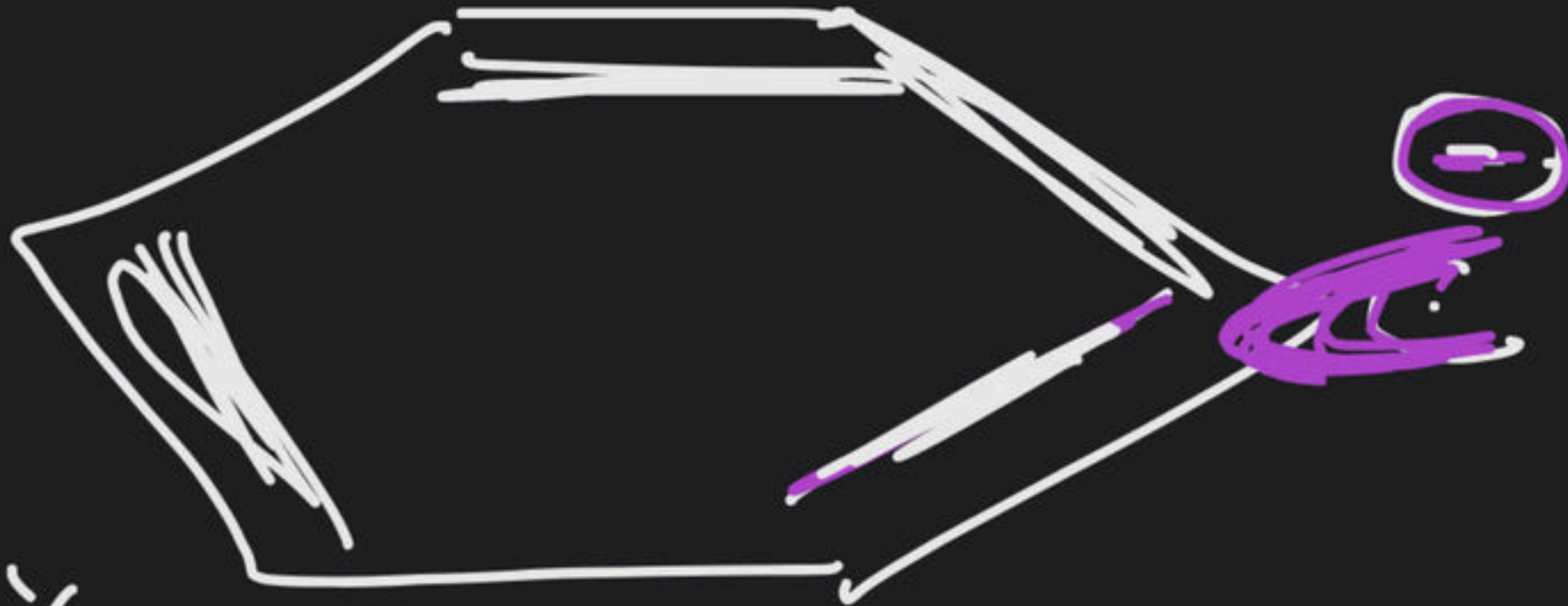
(41) $10\pi e^-$ (Aromatic)

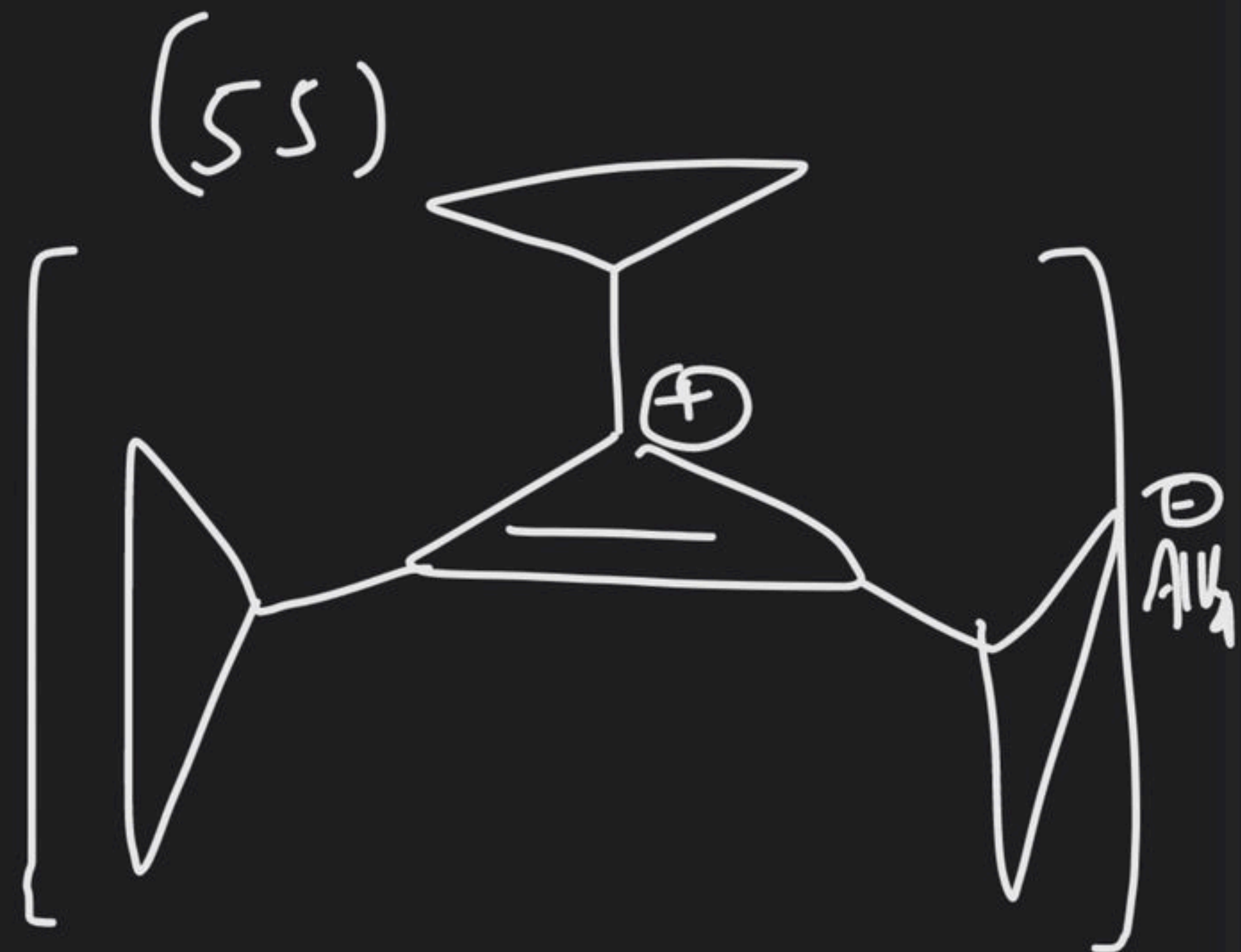
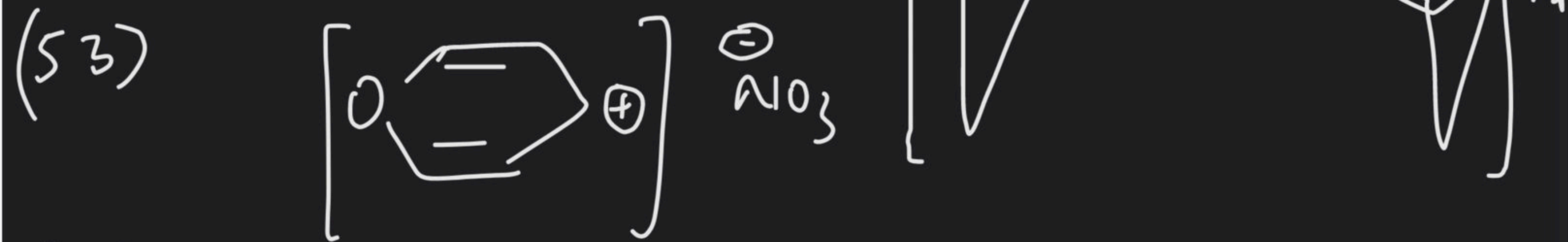


(41)

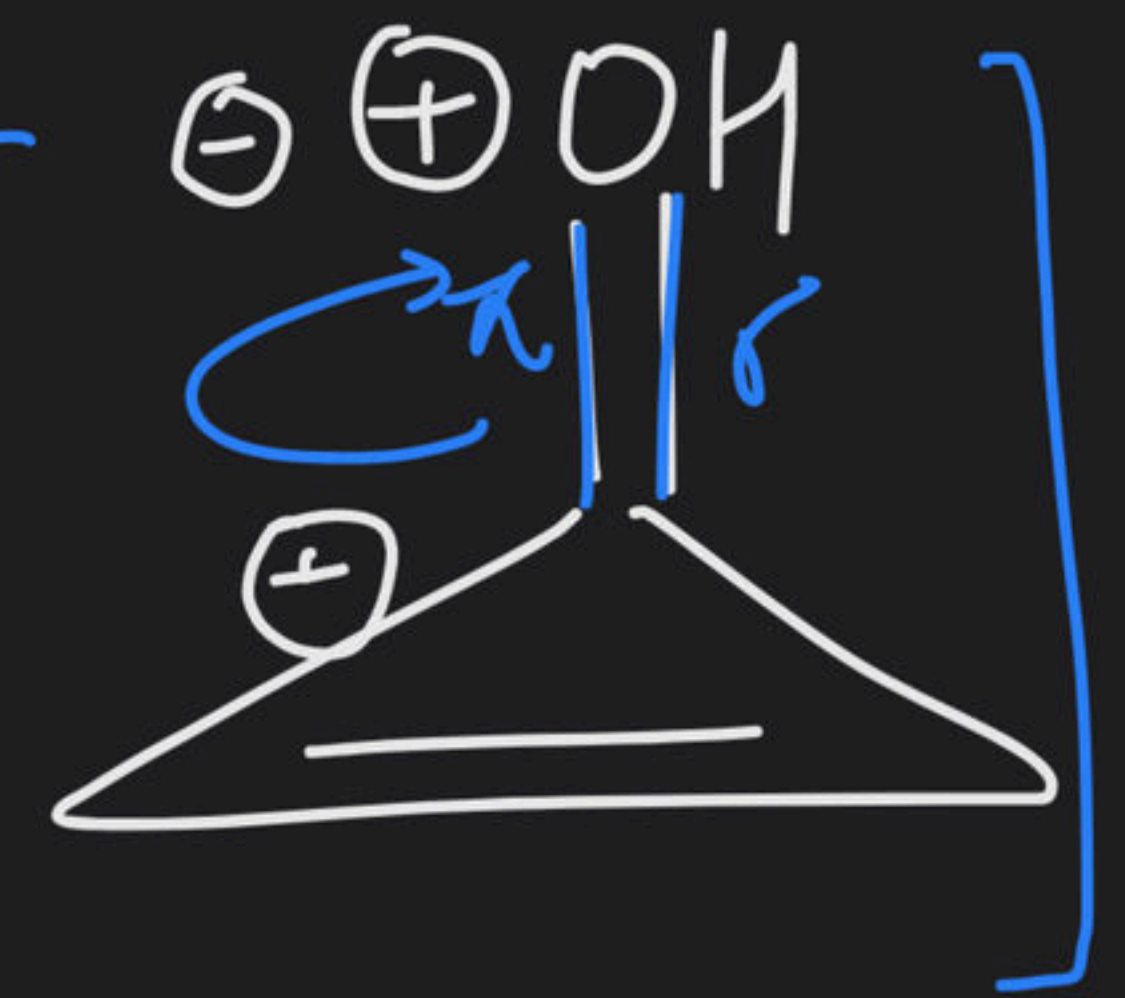
(43)

Aromatic

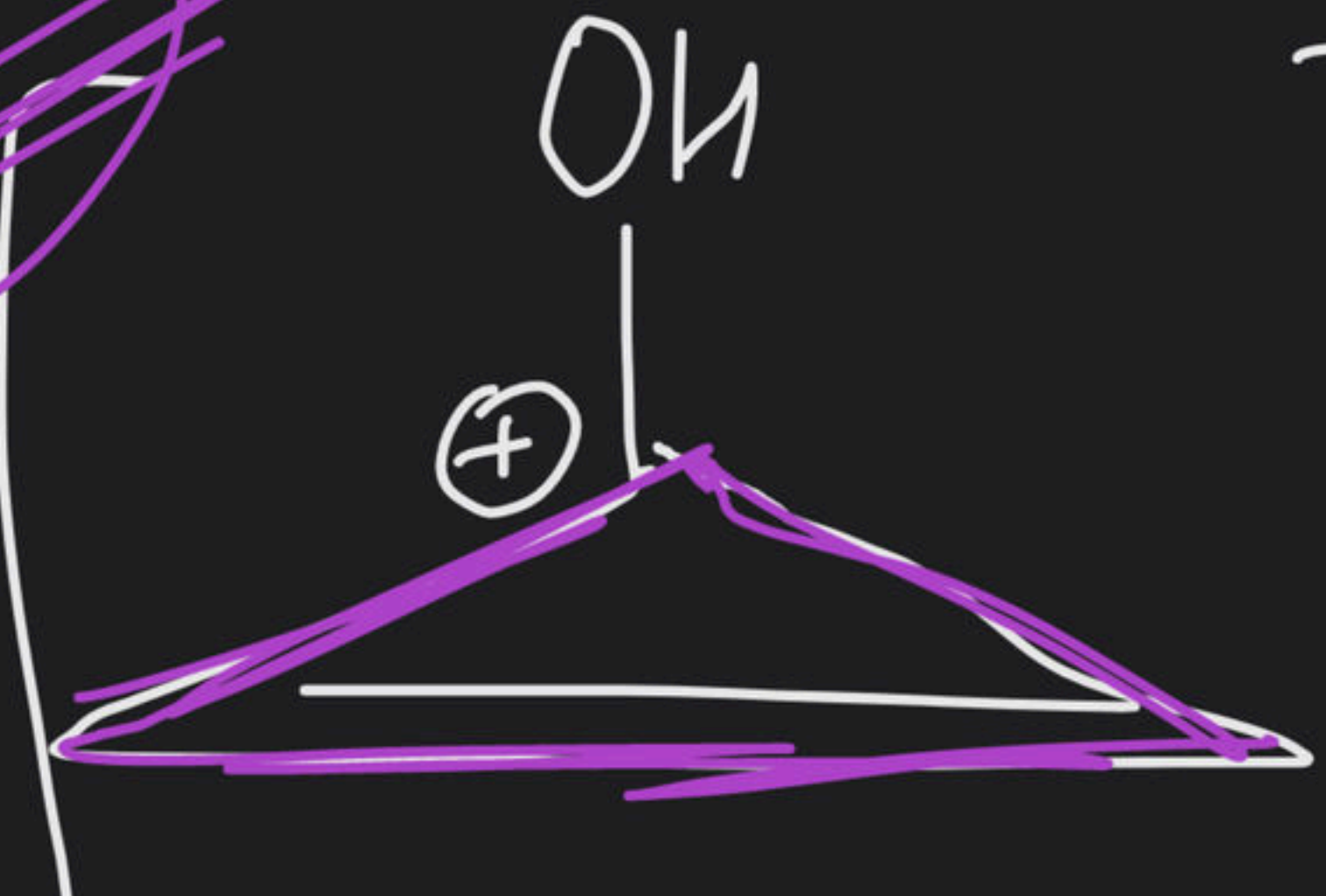




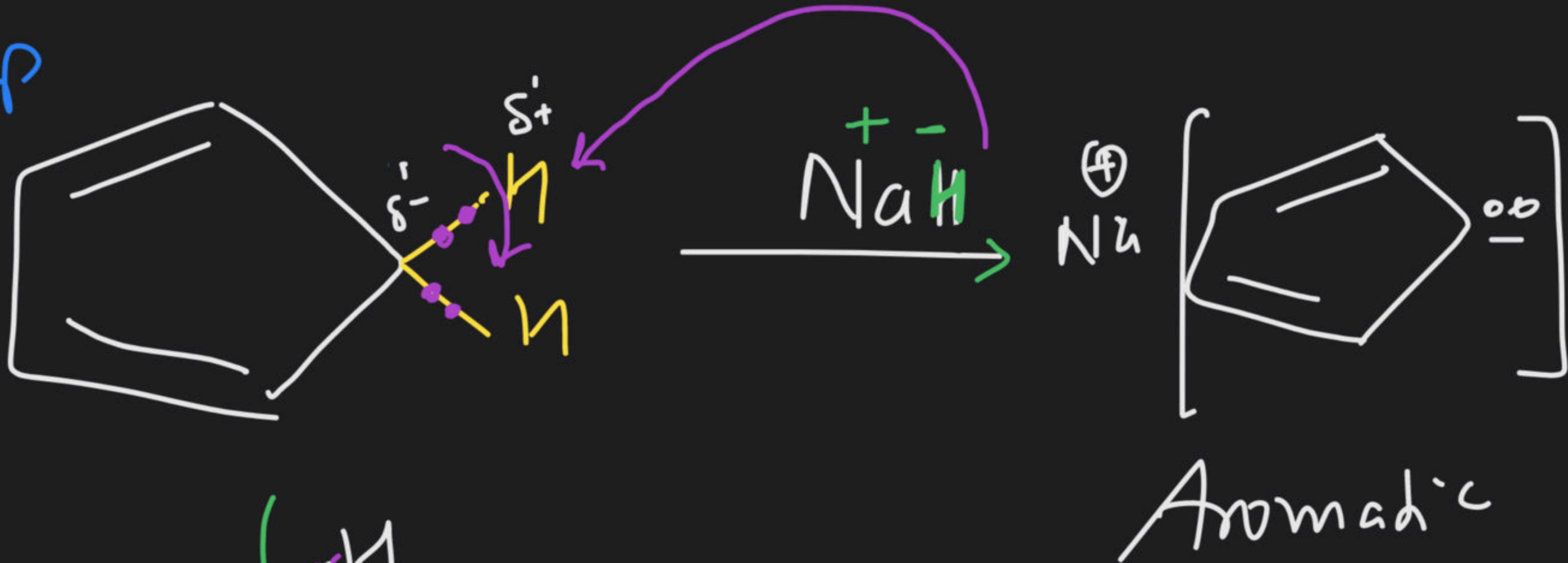
(56)



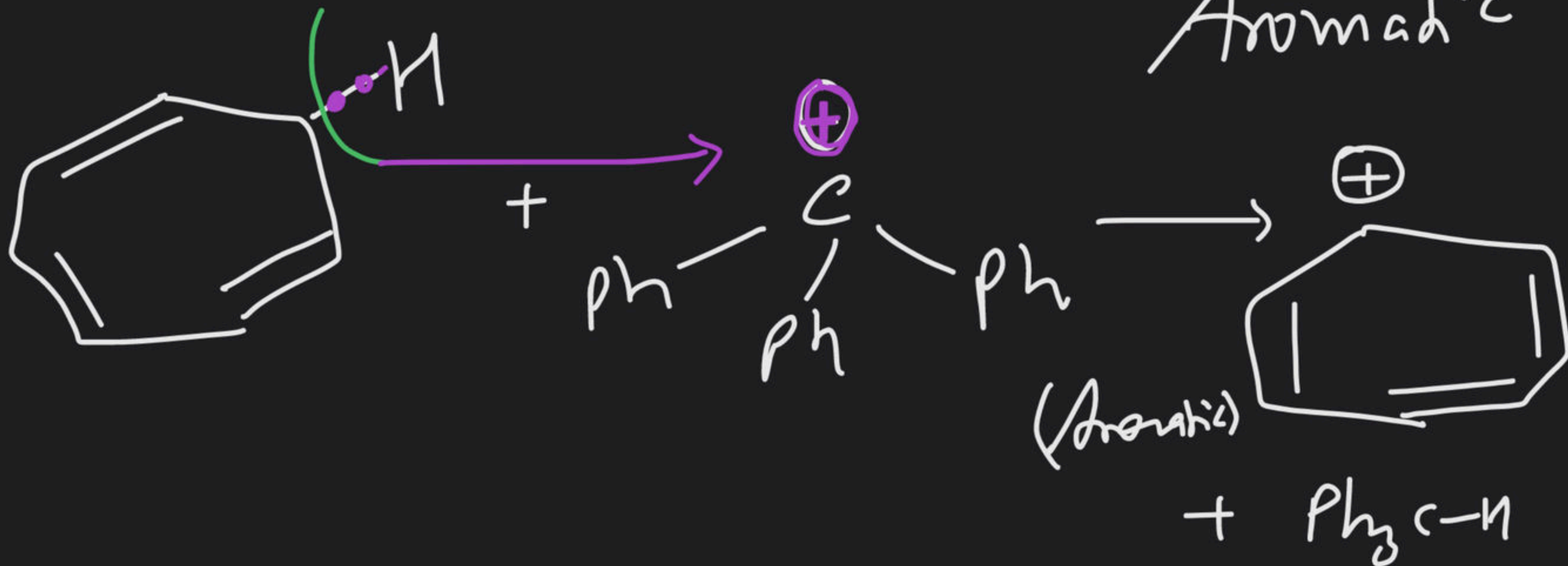
~~IF 1~~



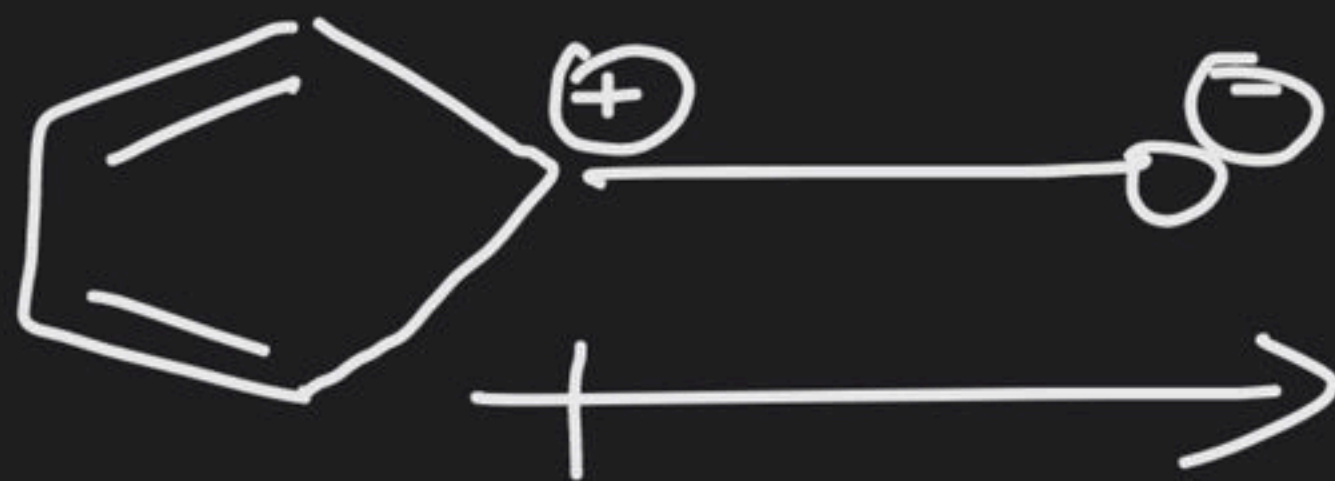
(57) Imp



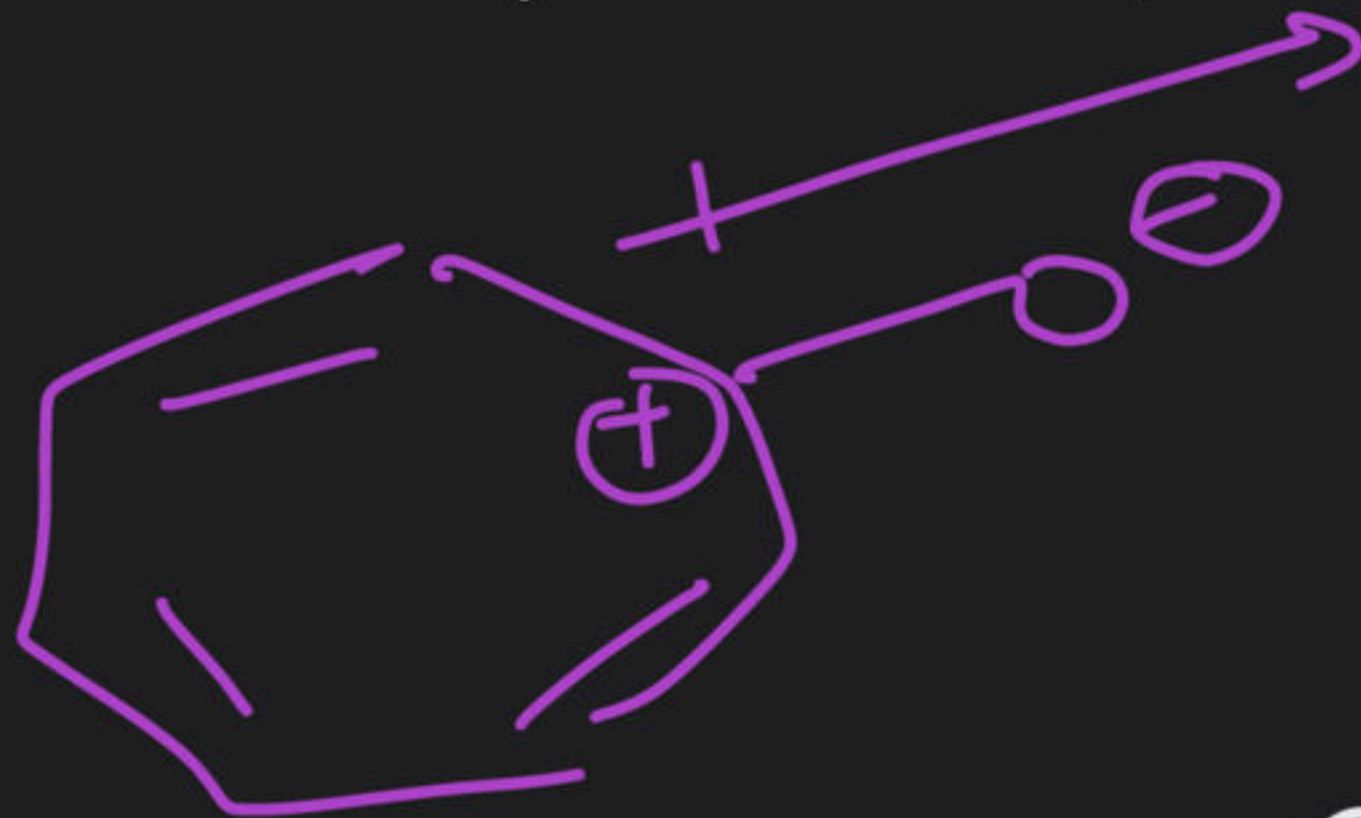
(58)



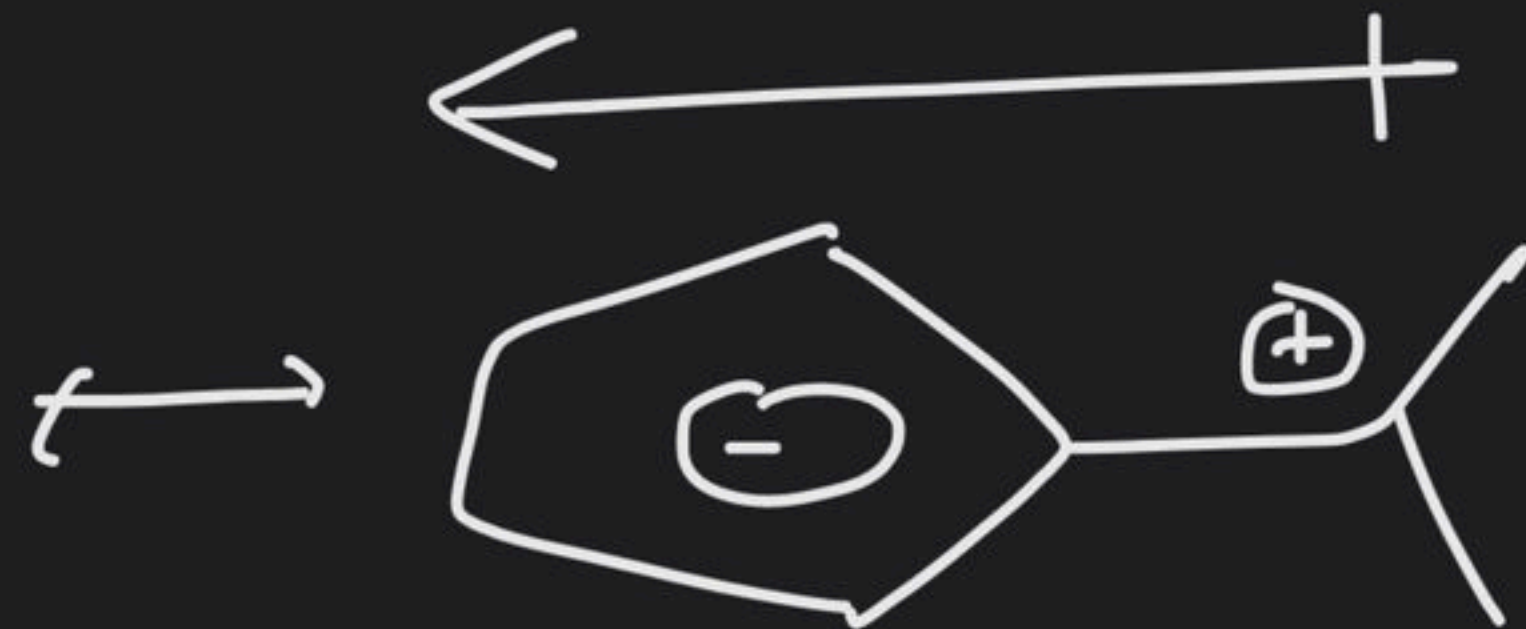
(60)



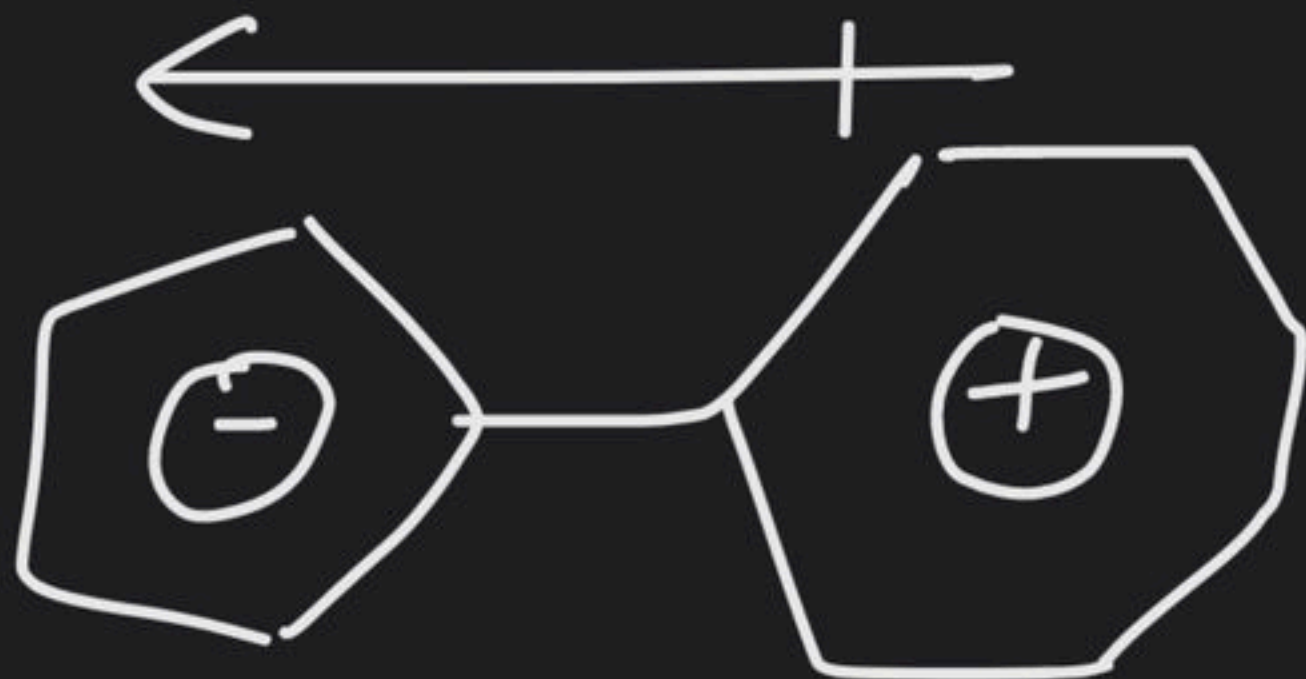
(61)



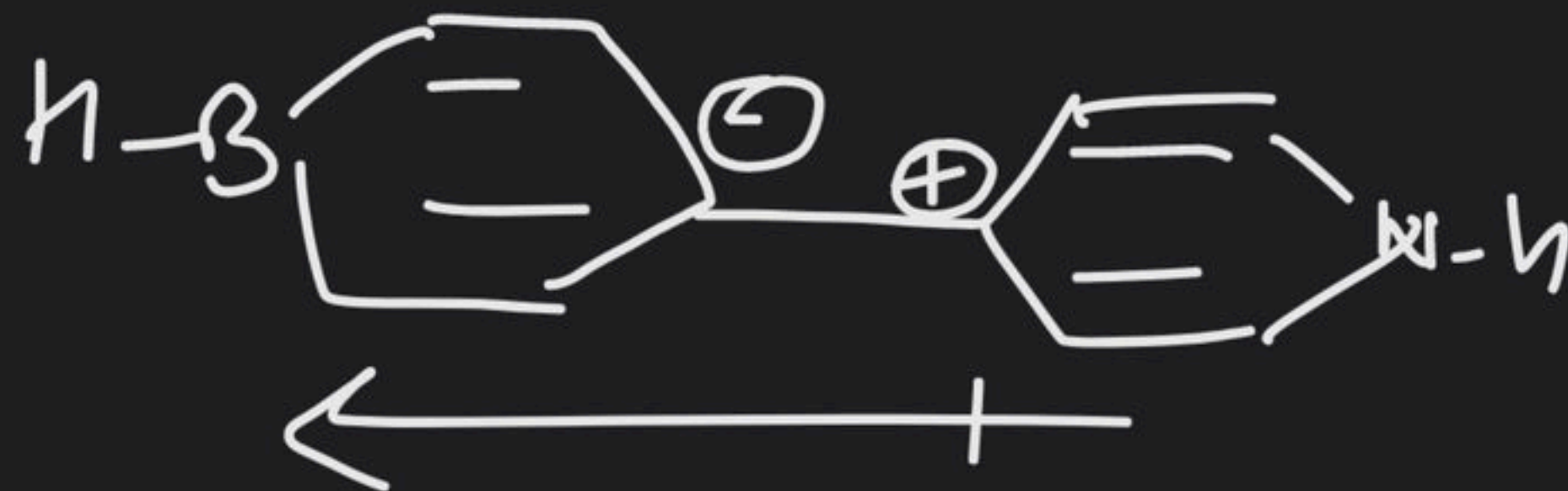
(62)



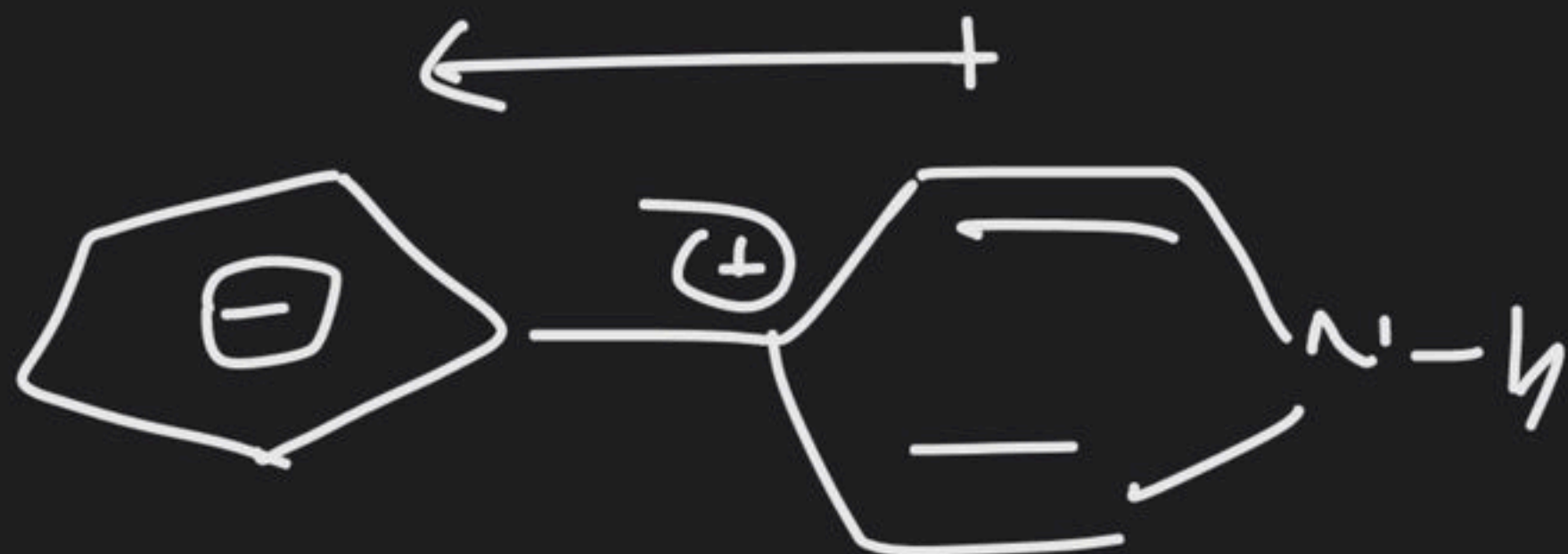
(64)



(67)

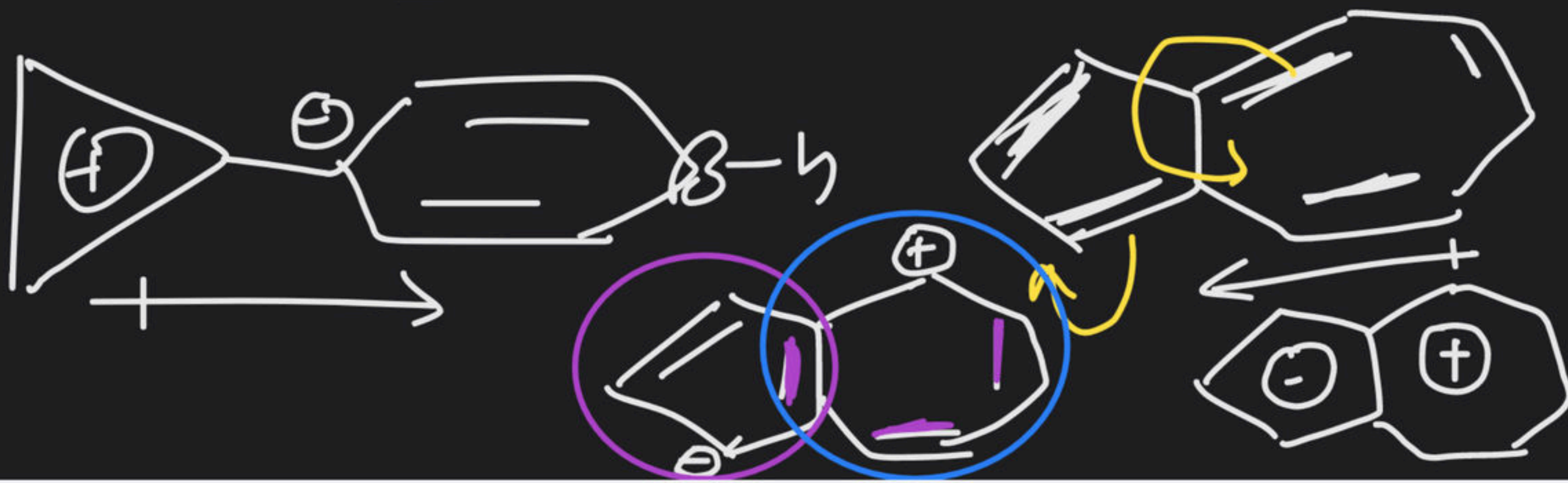


(65)



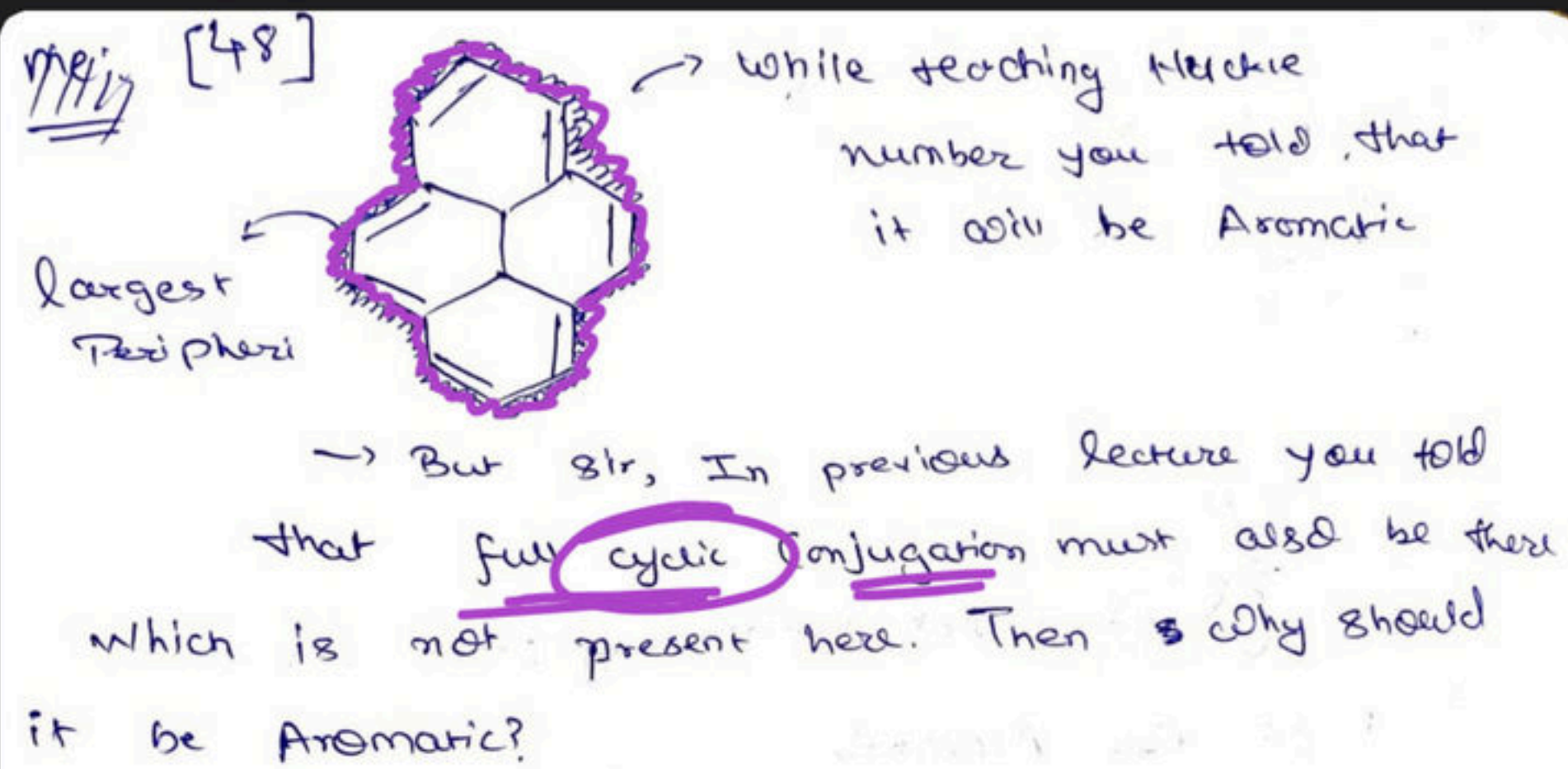
(68)

(66)



▲ 24 • Asked by Ridham

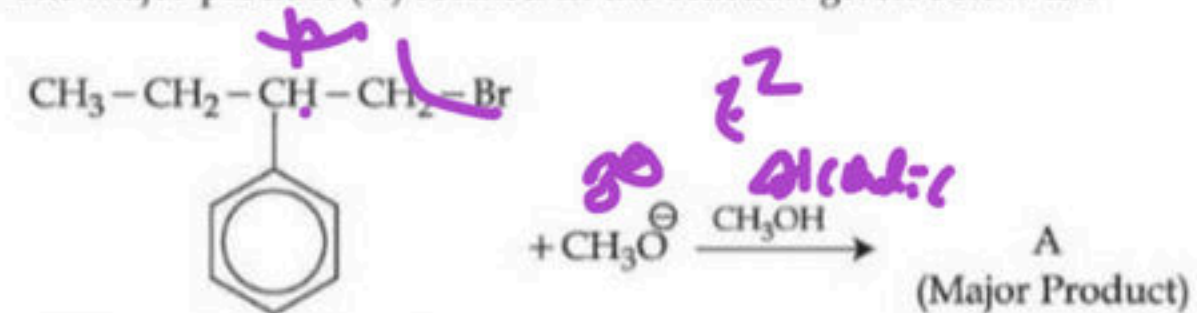
SIR HUCKLE NUMBER SE EK DOUBT HAI



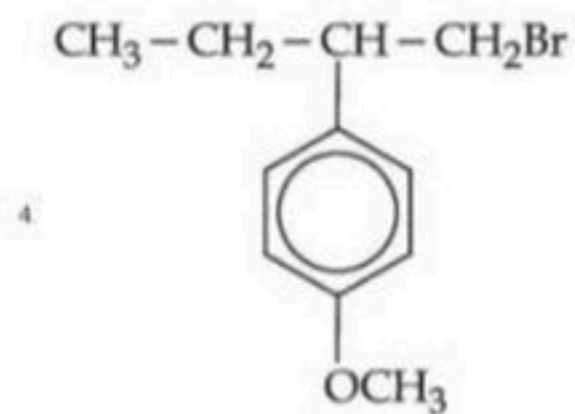
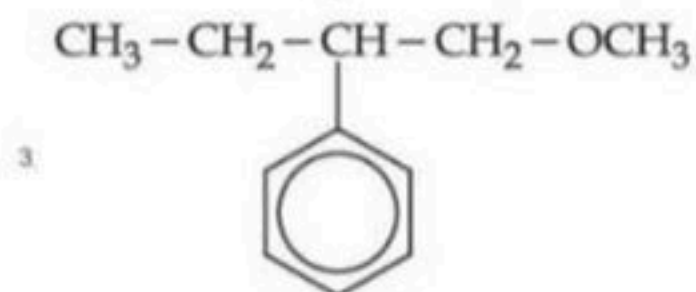
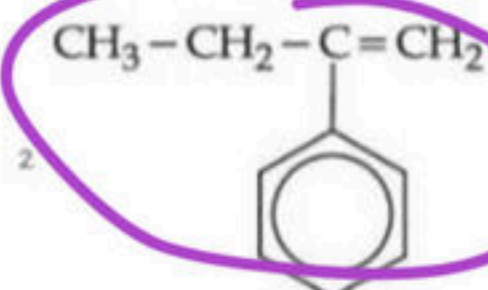
▲ 12 • Asked by Lalak

Please help me with this doubt

Q5 The major product (A) formed in the reaction given below is :

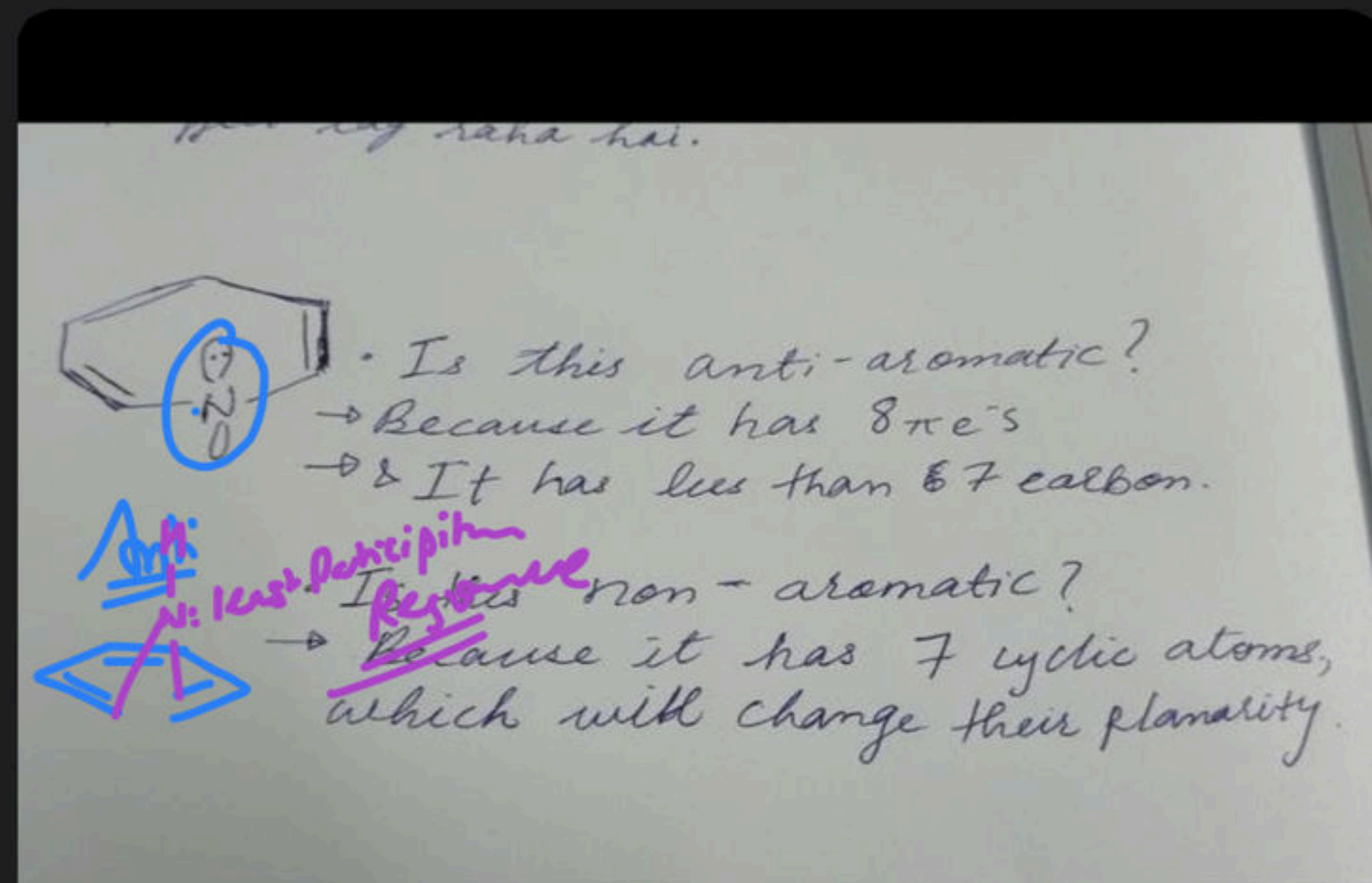


Options $\text{CH}_3-\text{CH}_2-\text{CH}(\text{C}_6\text{H}_5)-\text{CH}_2-\text{OH}$



▲ 10 • Asked by Pratyush

Doubt 1



(ii) Rings containing 7 or less than 7 carbon atom can't lose planarity.

(1)

carbon atom ya cyclic atom

(#)

HA

H^+

A^-

stable

HA
Ald

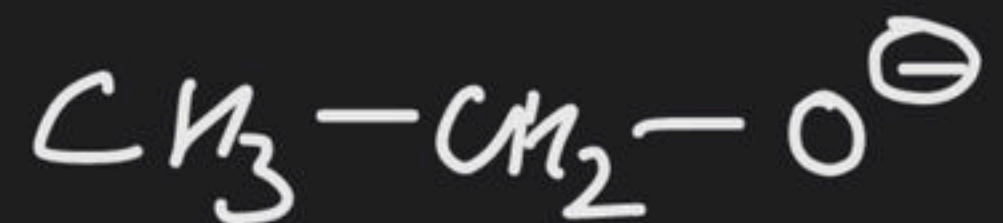
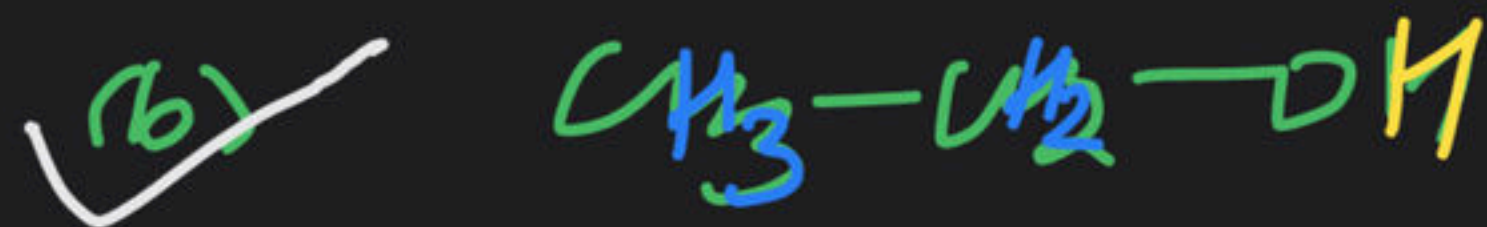
unstable

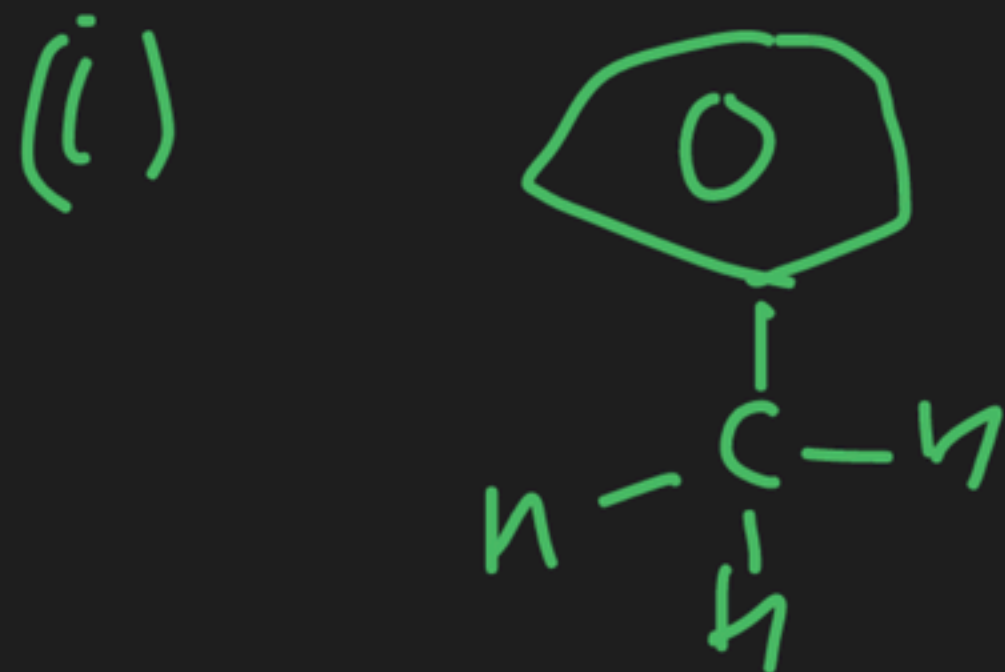
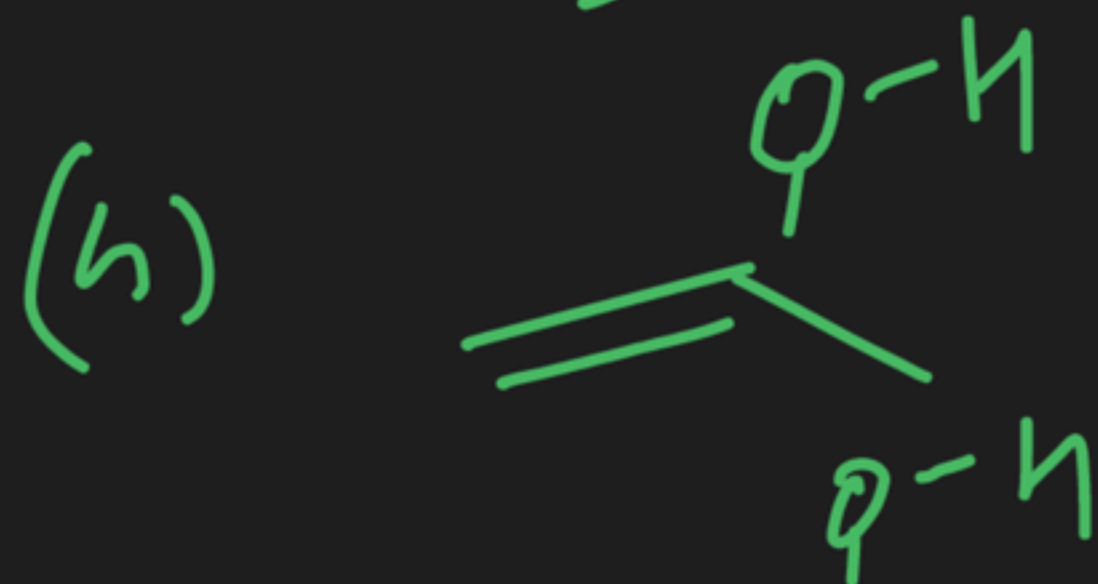
C-Base
weak

stable

Note:- (V) Strong Acid & strong Bases have weaker C. Base & conjugate Acid respectively & vice versa.

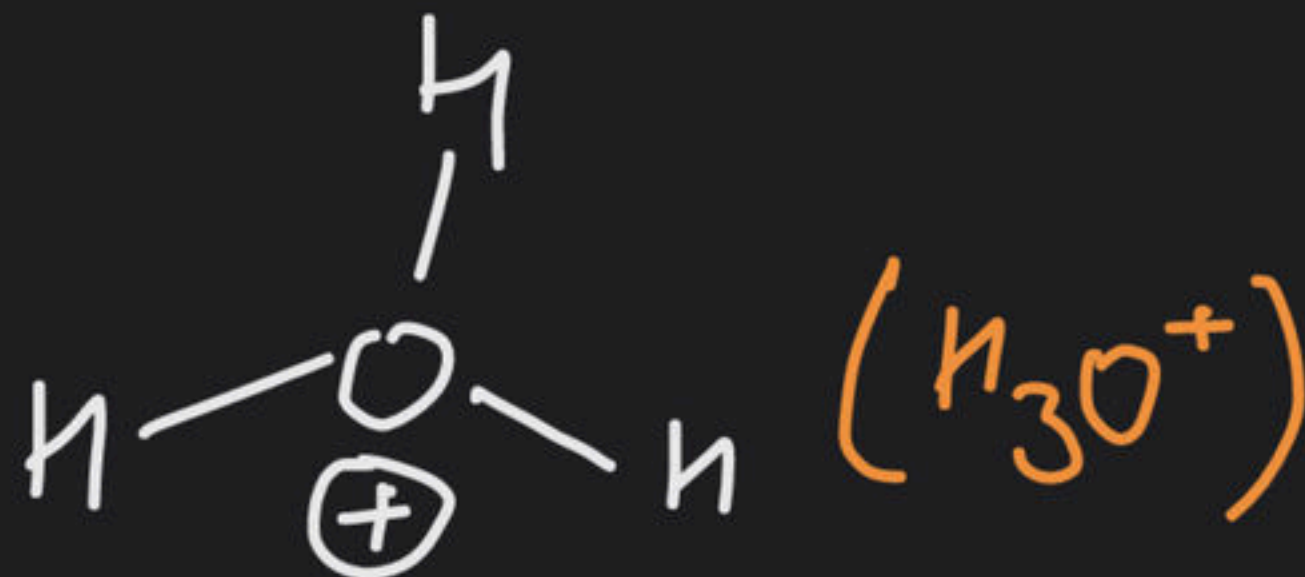
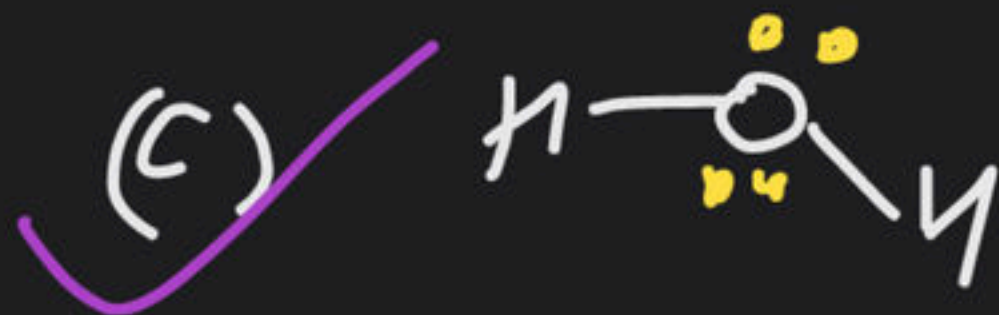
Ex-1:- Write C. Base of following C. Base

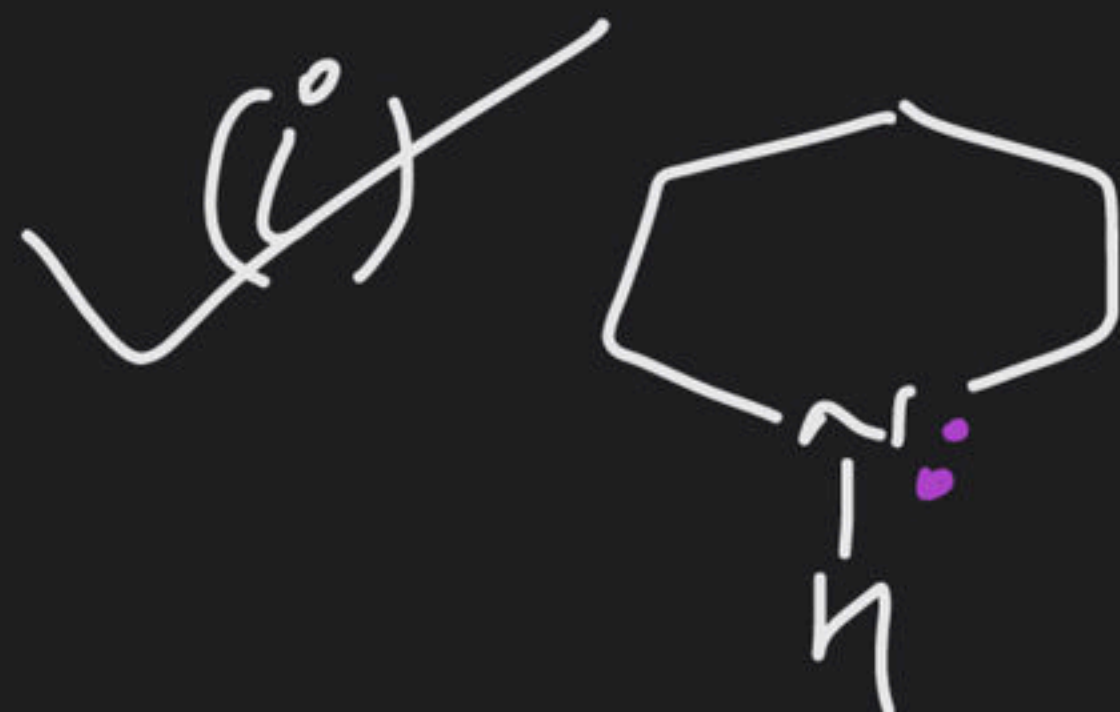
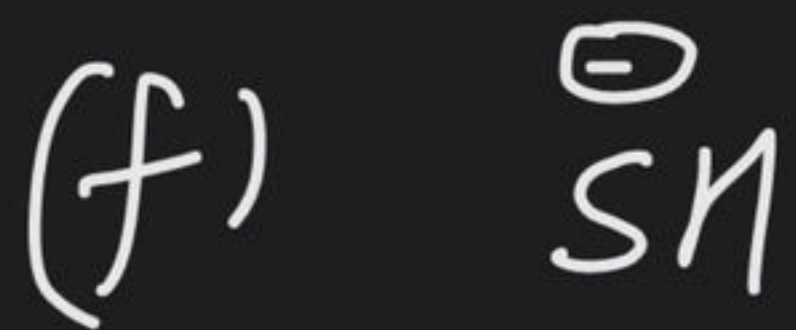




Ex-2: write c. Acid for following

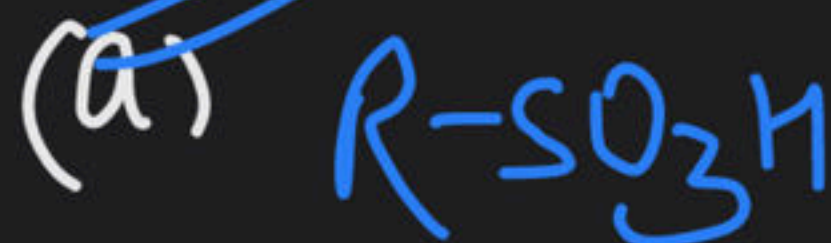
(C. Acid)



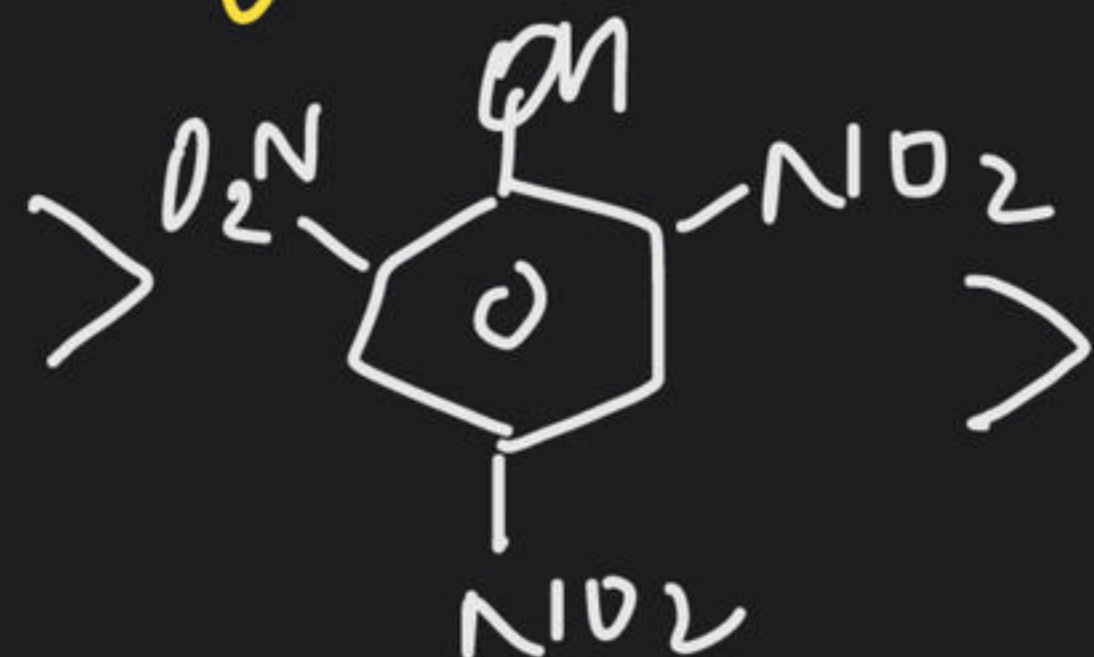


(#) Acidic strength order

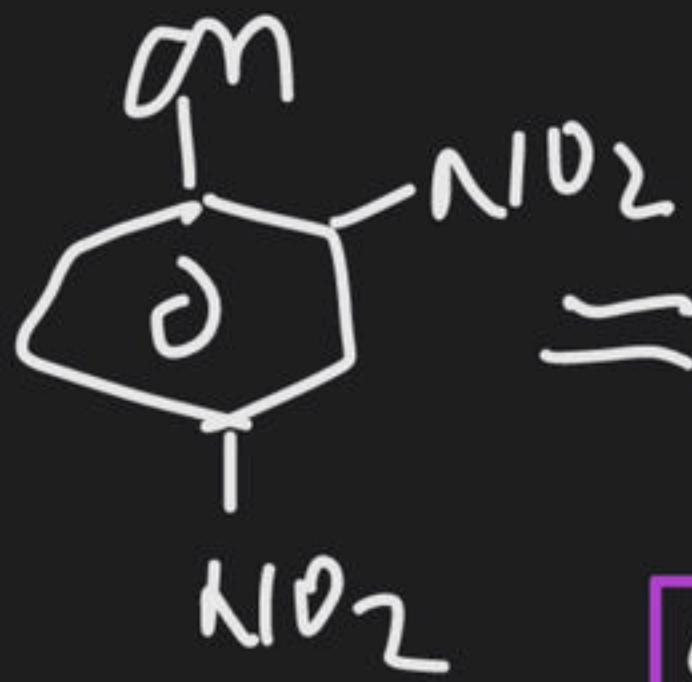
M.T.W



Sulphonic Acid



(Picric Acid)



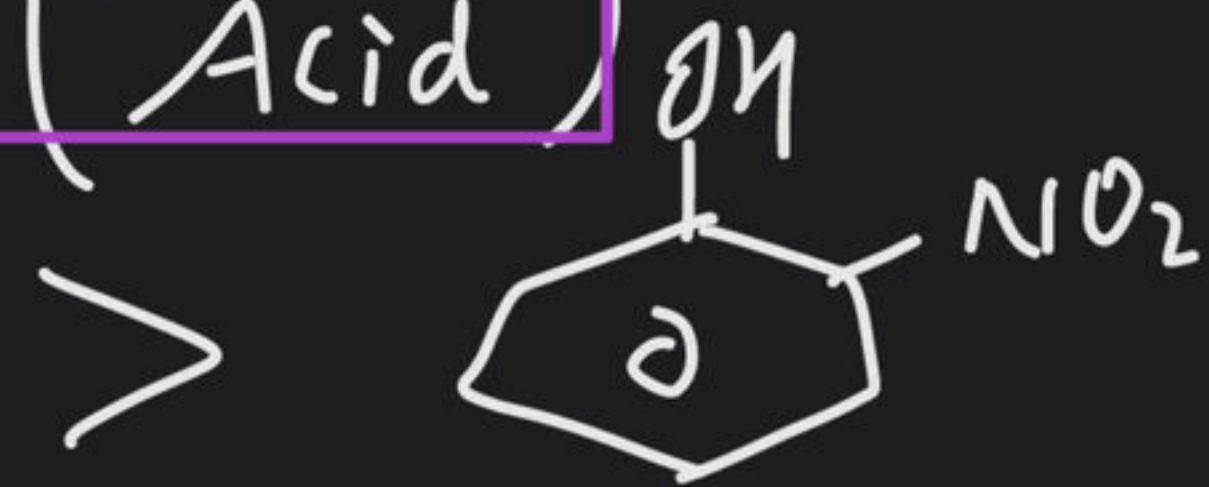
$R-COOH$
Carboxylic Acid

CH_3COOH
 $K_a = 1.8 \times 10^{-5}$
 $pK_a = 4.18$ ($H_2O + CO_2 \uparrow$)
Aq. CO_2

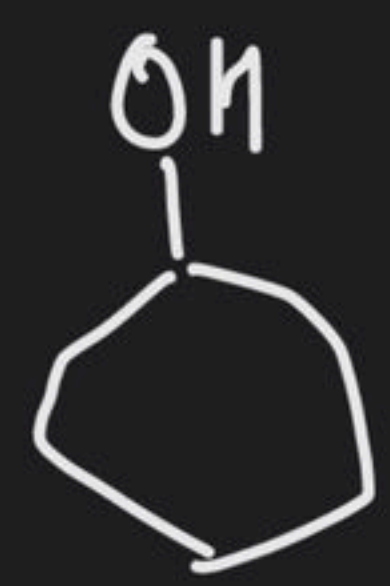
H_2CO_3
Carbonic Acid

M.T.W
xxx

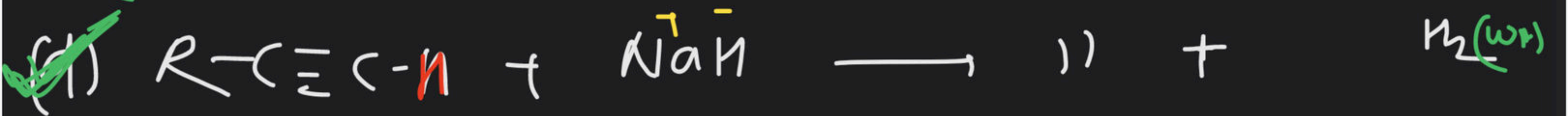
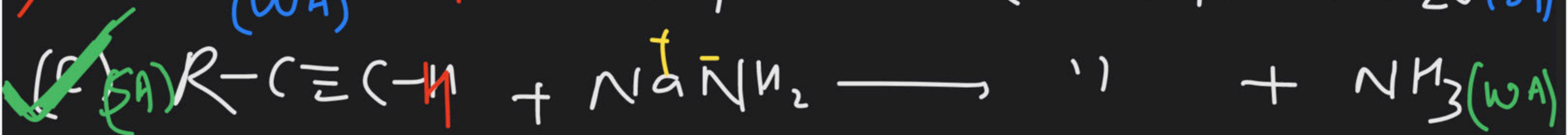
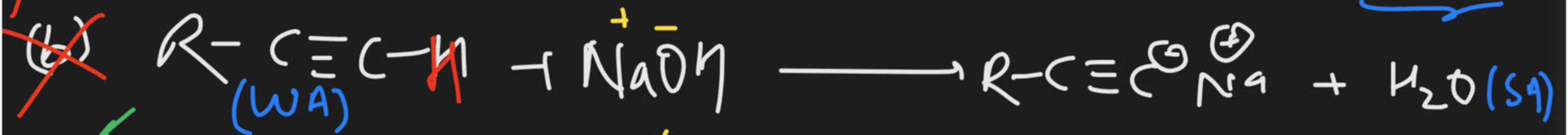
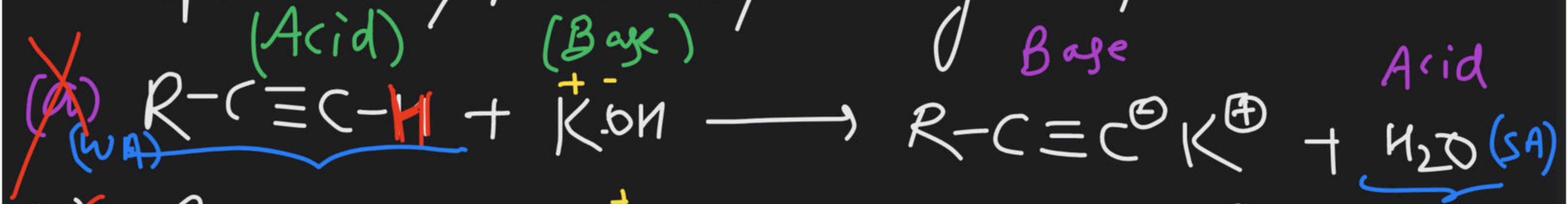
(b)

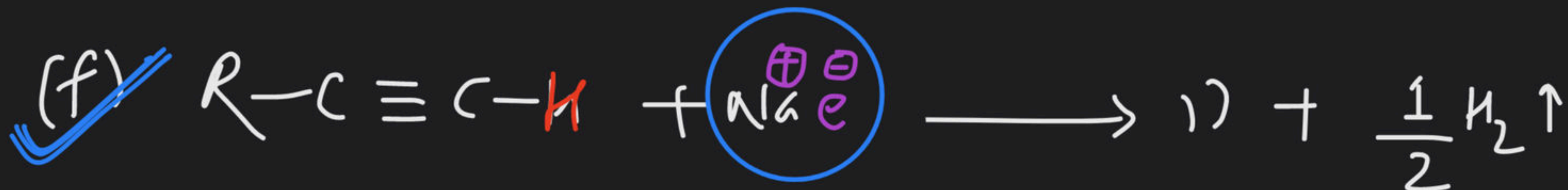


Carbolic Acid



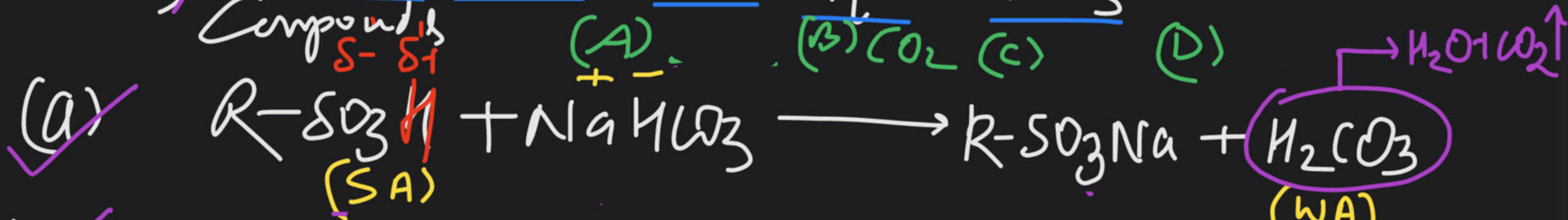
Ex-1: Which of the following reaction is
 Spontaneous / feasible / moving in forward direction

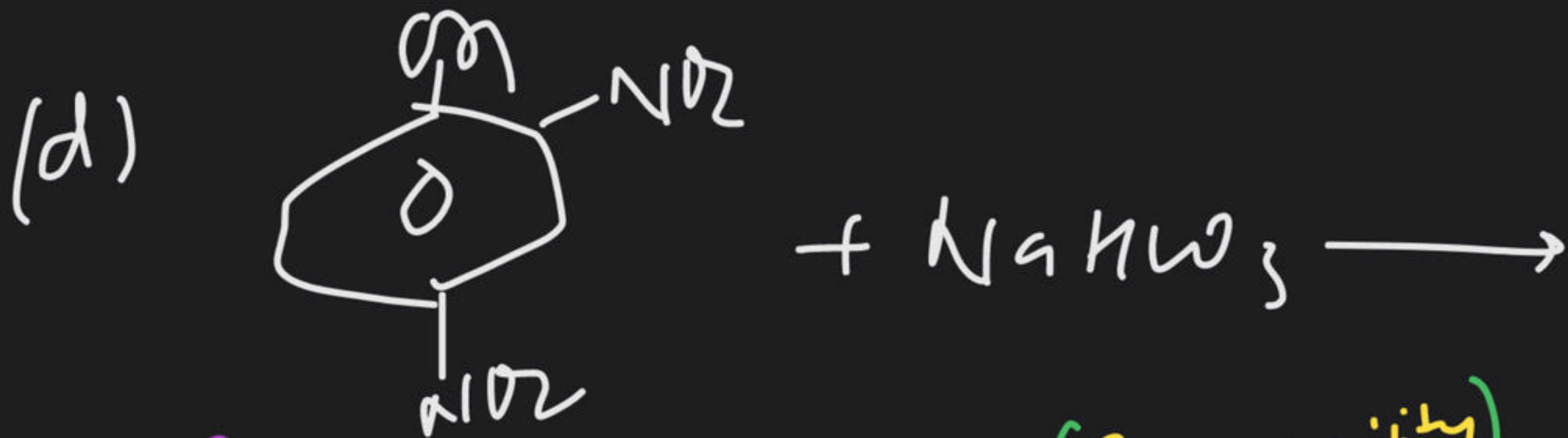
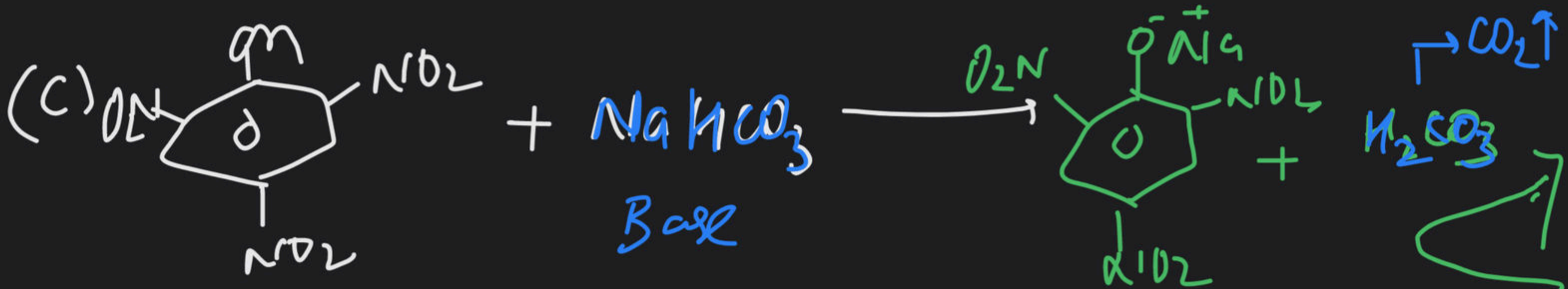




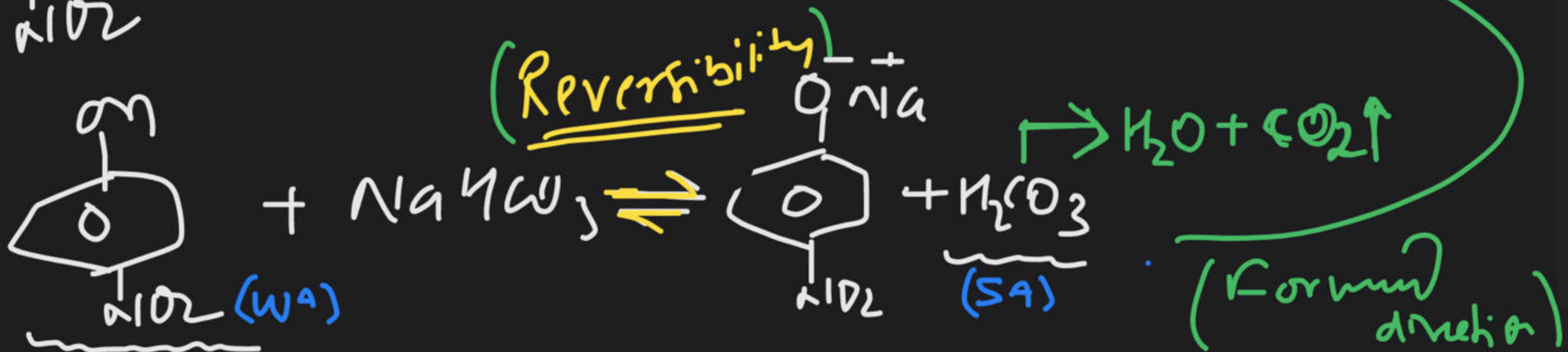
EX-2: which of following Reaction is feasible or which of the following Compounds gives Brisk effervescence (CO_2) on reaction with Aq. $NaHCO_3$

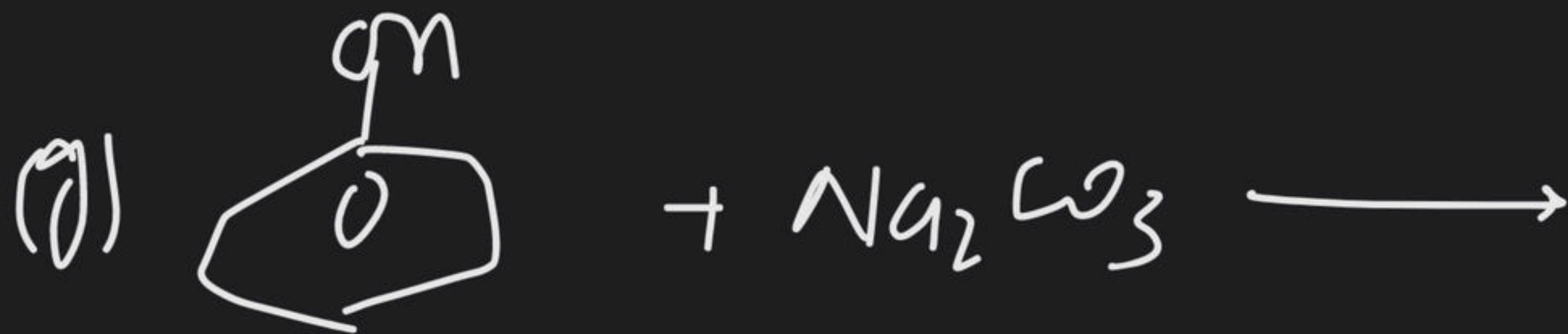
Compounds



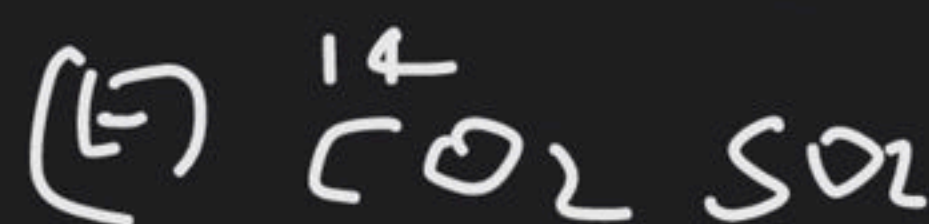
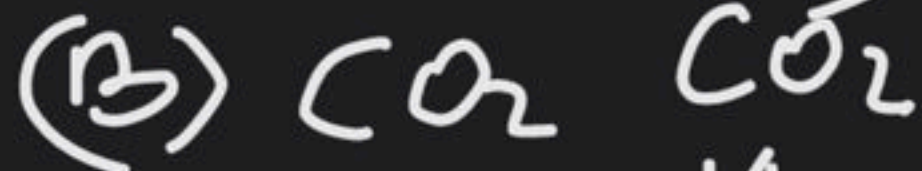


~~M.IND~~
~~(C)~~





QX: gases evolved when $\text{NaH}^{14}\text{CO}_3$ reacted with $\text{CH}_3\text{-COOH}$ & $\text{CH}_3\text{-SO}_3\text{H}$ respectively



⇒ जोर हमेशा बेर दो निकलती है