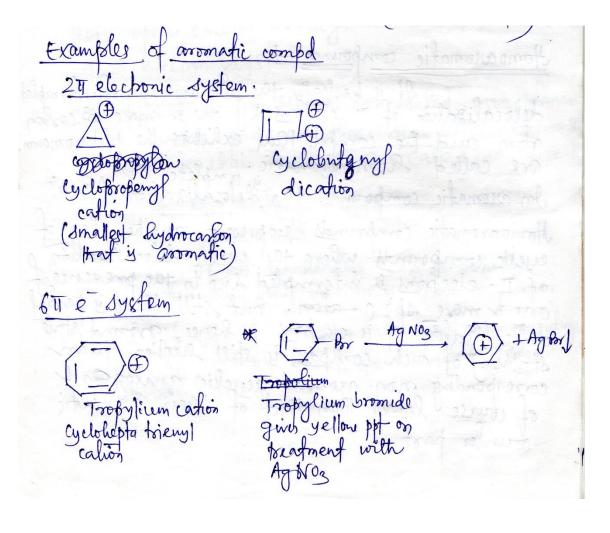
Huckels rule:=> Planar, monocyclic, completely conjugated thydrocarbons would be accomplic when the seing compains (4n+2) To electrons, where on is any integer including zero. Limitations : # But heterocyclic compets are considered aromatic » bicyclic, polycyclic aromatic Engerocarbons like naphralene, phenanthrene are considered to be aromatic [0] annulene contains 10 TI es, Ent it is not aromatic Although it contains 10 TT electrons, but the moleunle Cannot adopt the necessians planar conformation of all the double bonds are all in (a) or one is frams (b) the angle strain is excessive Internal 1c-c-c=1440 from angle suffers from also. serious angle Strain-untable Isomer with two trans double bords cannot be flat be cause two of the H- aforms interface with each Suffers from strong other H atoms of G and G- centrable.

Jes, this is a aromatic. Because the infernal "Its" in [10] - annulene which prevent it from achieving coplanarity, are replaced by methylene bridge permitting if to be flat.

Since the bridgehead 'cs are still sp hybridised their "p" electrons are available for extended delocalization in a 10-electron system.

Antiwomatic & flanar, conjugated, carboryclic polyenes that we especially less stable than their open chain analogs are called anticoromated anticoromated and electron system.

Non-avonatic & Completely conjugated, non-planar carboyclic polyenes whose stability aircromparade to their open chain analogs are called non-around



Cycloor fatetra

Luyf diamion

Lycloperfadiene & more acidic

than 1,3-cycloperfadiene

of deloralised

to be much more acidic.

The property of the cycloperfadiene

to be much more acidic.

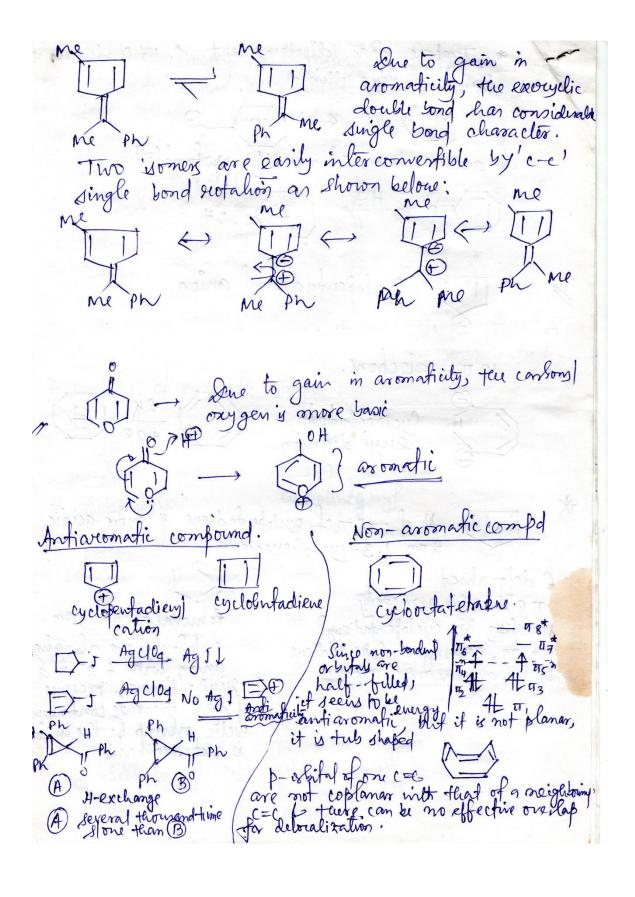
The property of the cycloperfadiene

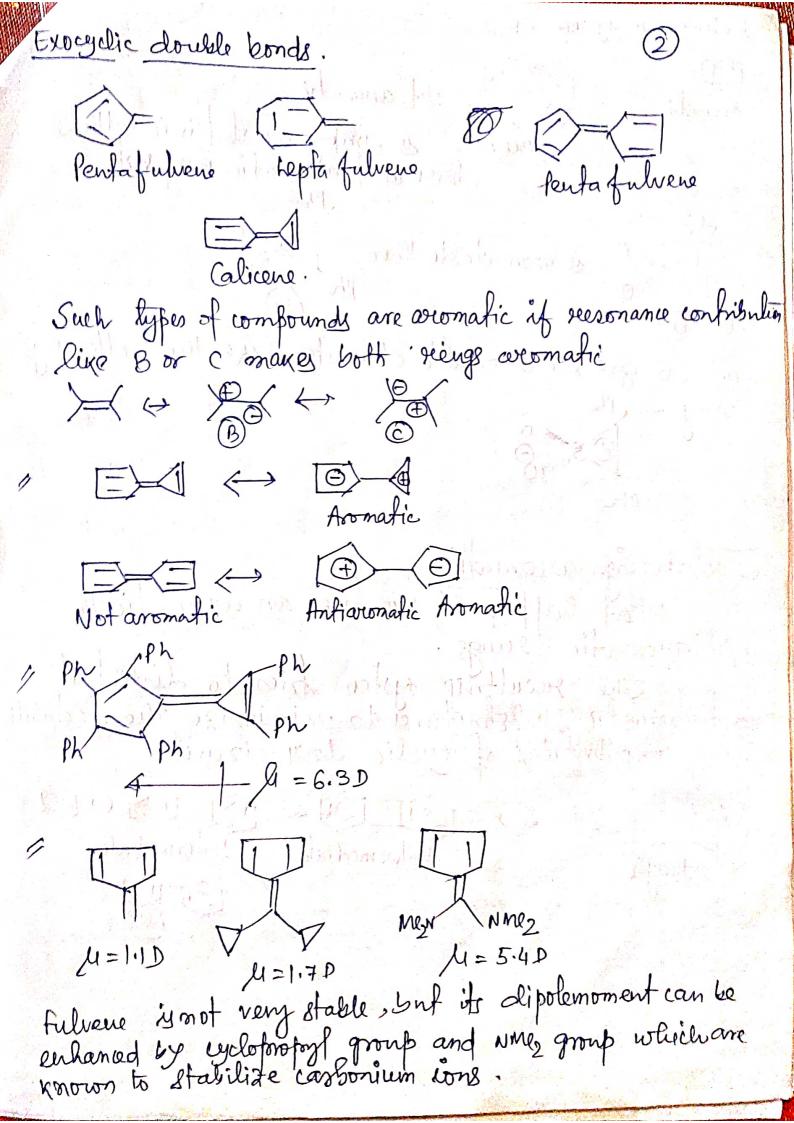
of spice overlap of the property of the anion

with be made to presente

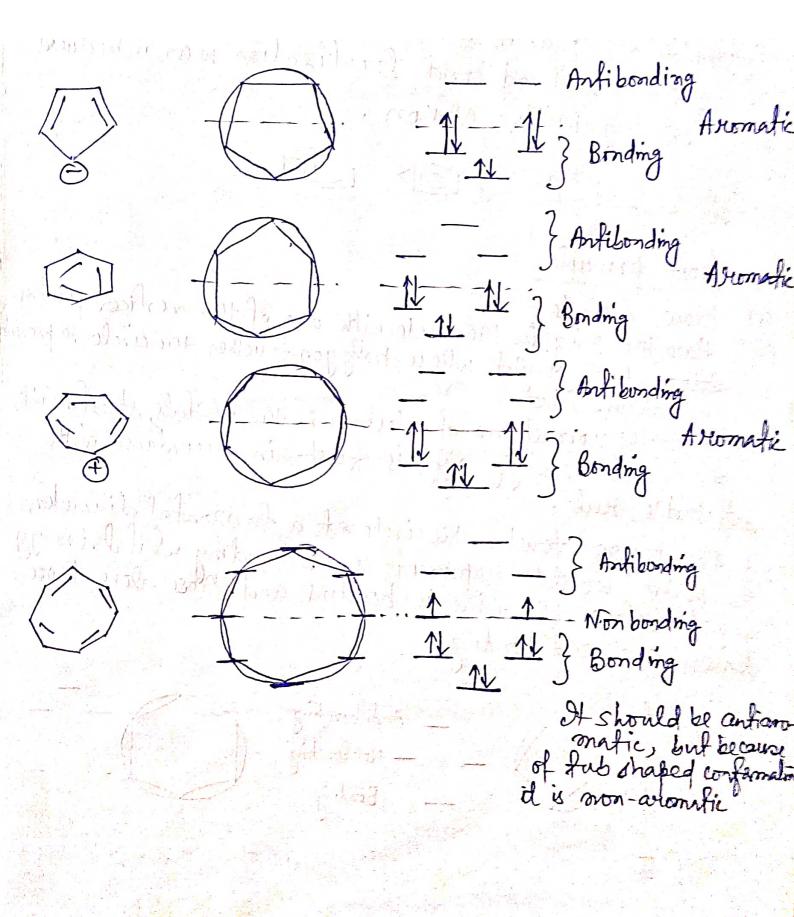
of spice overlap of the anion

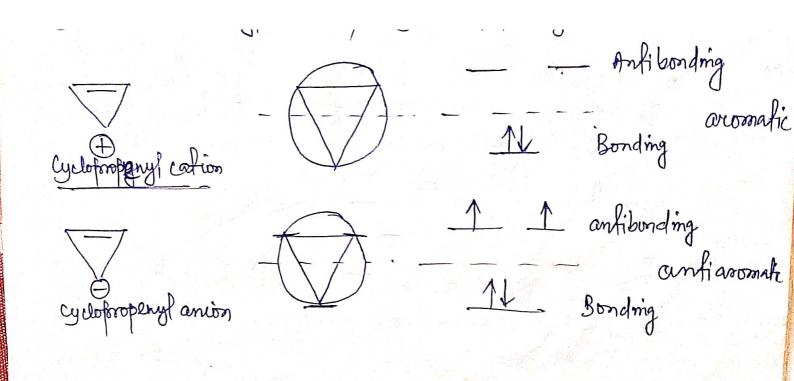
is not a committee.



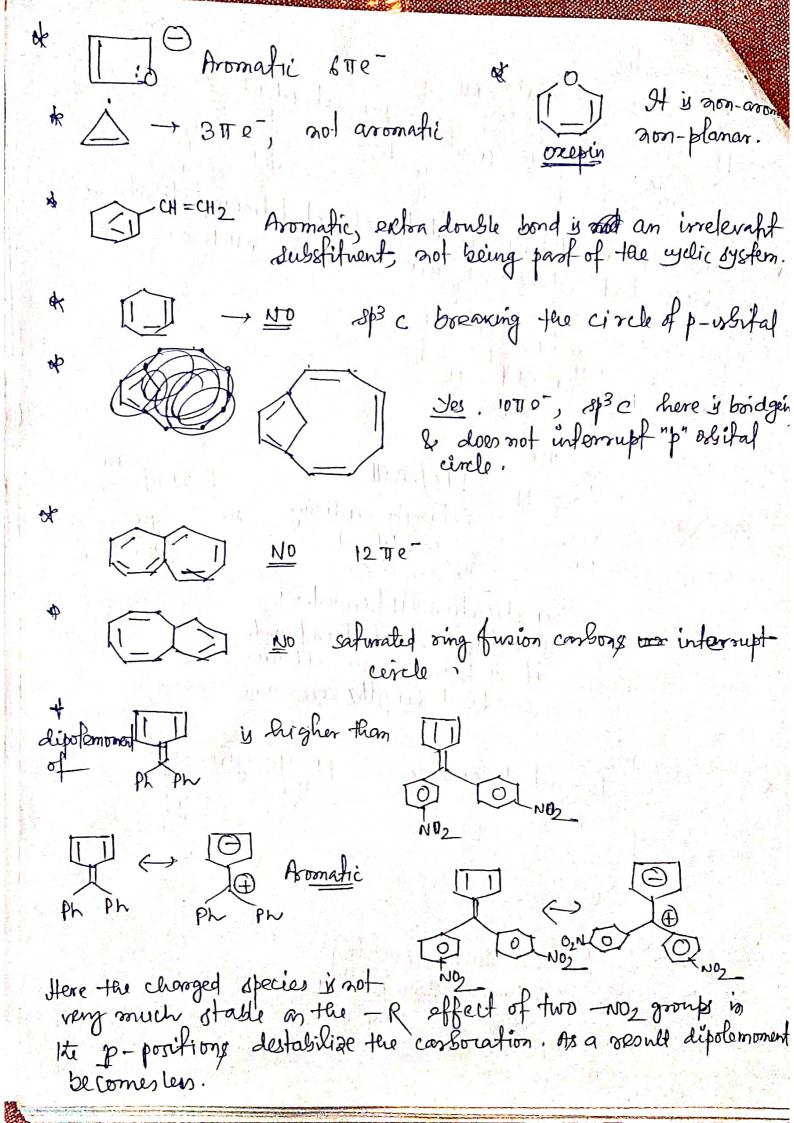


trost primaple (i) Brow a circle (ii) Place ter ring in the circle with one of the werthers pointing down. Each point where proling gon touches the circle representations of the weeks represent the circle representations. (iii) Place the correct mo of electrons in the abitals, starting with the lowest everyo orbifals first, in accordance with Hund's rule. If the polygon touches the circle at a horizontal diameter, the point would suppresent a overbonding alital. Energy levely belone this line is bonding and three above from lines are autibording-And browning - Virolanding





The fails to enotize of gives enotion of the story steric crowding between two profons of enside the sting.



fleet of female At of the seach is +31 KCal/mole. What conclusion? Since At is (+) we if implies that cyclopropenium cation (A) is much more stable than ally cation (D). This is because the exponentic character of cyclopropenium cation is lost in course of 1 to 1 gives the o' talide is extremely slow formation of [1], which is antiaromalie (1)