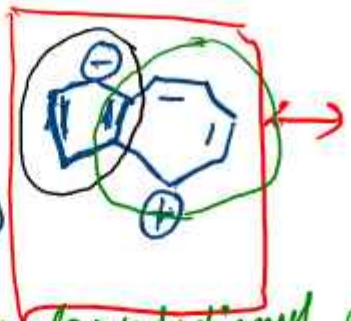
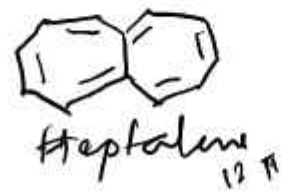
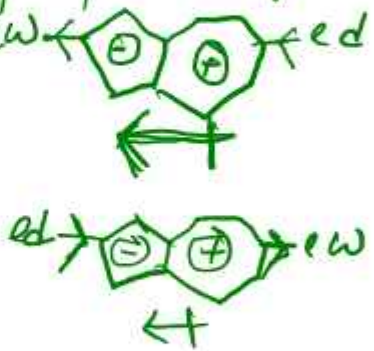
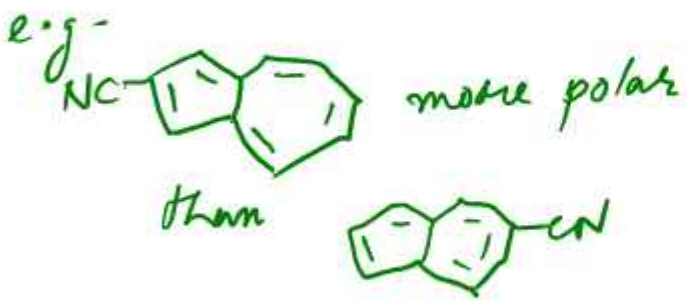


Non-benzenoid fused rings



cyclopentadienyl anion + tropylium cation



} $\rightarrow$ Anti aromatic

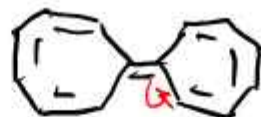
Fulvalenes



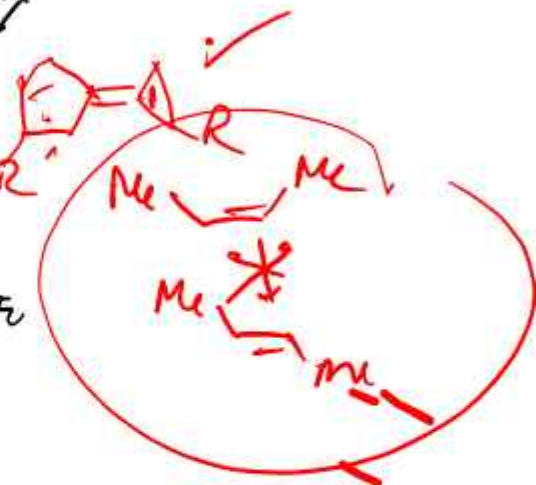
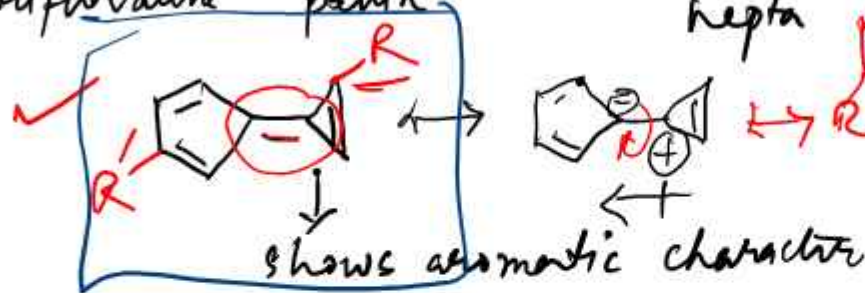
trifulvalene



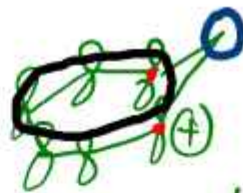
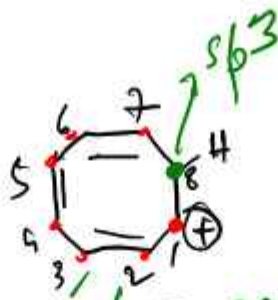
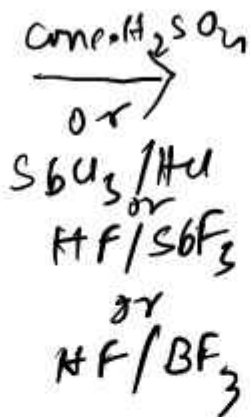
penta



hepta



Homoaromaticity



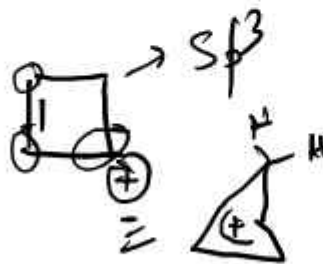
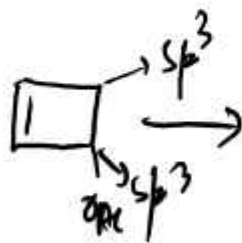
homoconjugation

homoaromatic cation

i) Resonance energy

ii) Short $C_1 - C_7$ distance

iii) $\downarrow$ int. b/m C_1 & C_7



$\rightarrow$ homoaromatic

