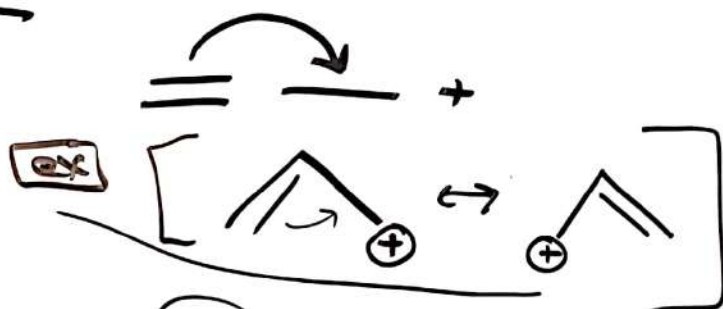
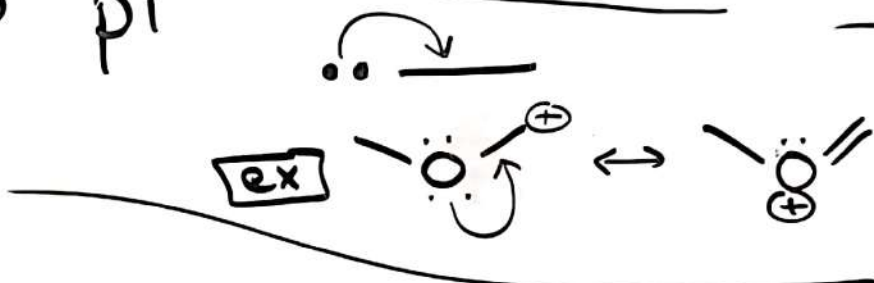


"3 possible Moves"

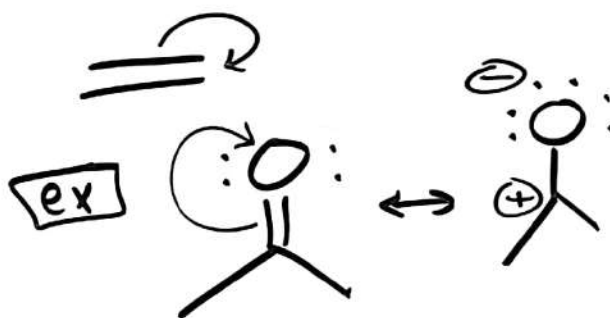
① pi to pi



② L.P. to pi



③ pi to L.P.



★ CANNOT go LP $\rightarrow$ LP!

	C	N	O
(+)	$-\overset{+}{\underset{ }{\text{C}}}-$	$-\overset{+}{\underset{ }{\text{N}}}-$	$-\overset{+}{\underset{ }{\text{O}}}-$
Neutral	$-\underset{ }{\text{C}}-$	$-\underset{ }{\text{N}}-$	$-\underset{ }{\text{O}}- \quad \text{:}\underset{\text{ }}{\text{O}}\text{:}$
(-)	$^-\underset{ }{\text{C}}-$	$^-\underset{ }{\text{N}}\text{:}$	$\text{:}\underset{ }{\text{O}}\text{:}^-$

"Two Commandments"

① Never Break a single bond

② Never violate an octet for 2nd row elements!

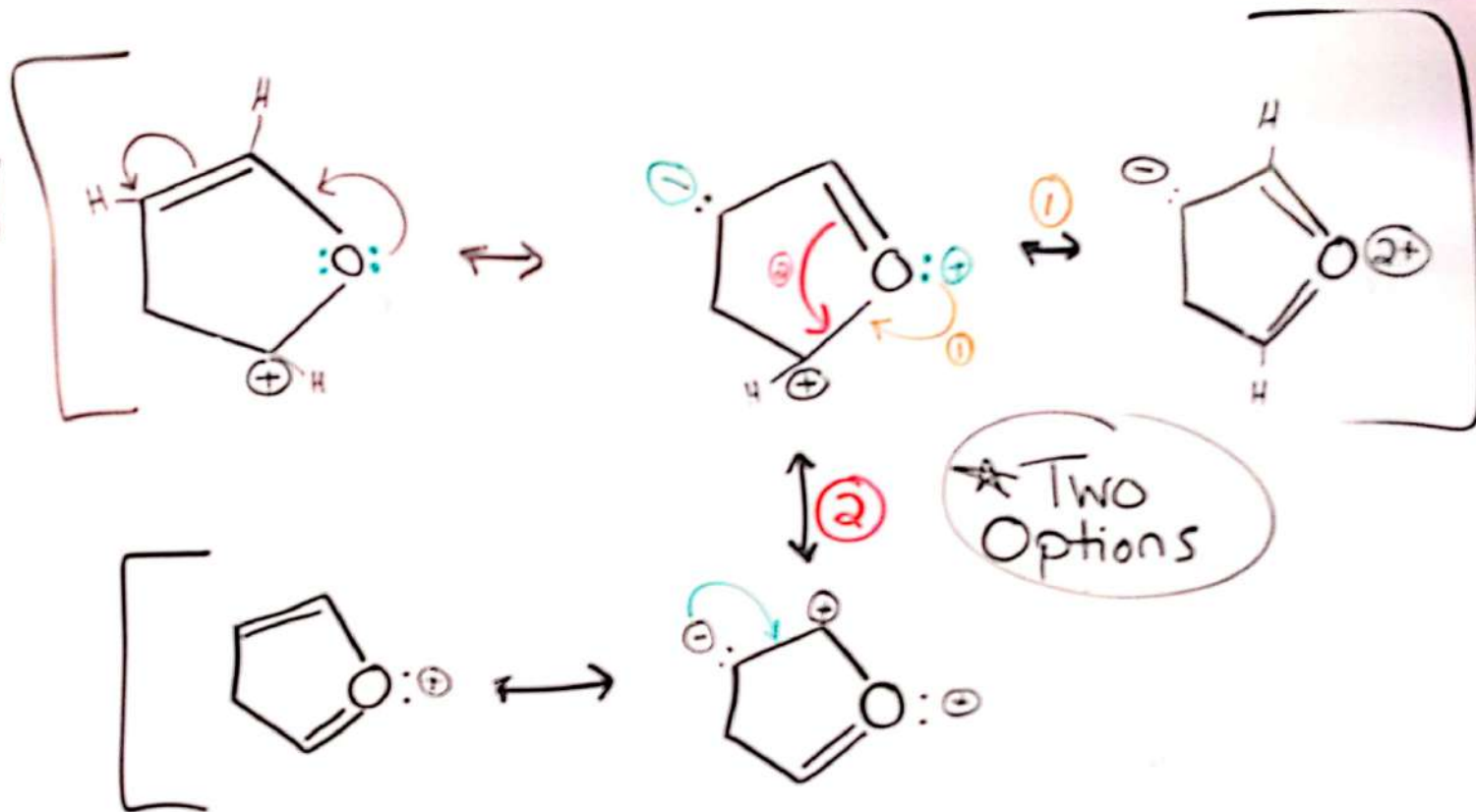
(No more than 4 orbitals used)
 $\# \text{LP's} + \text{Bonds} \neq > 4$

① Try to bring LP $\rightarrow$ pi
 (may need more than 1 arrow)

② can ALWAYS turn pi $\rightarrow$ LP



ex



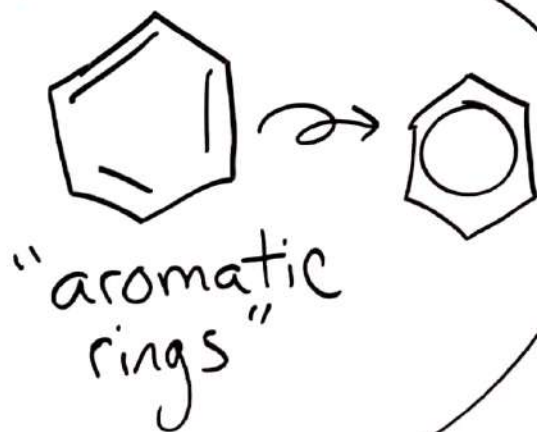
10/7/21

ODD Day

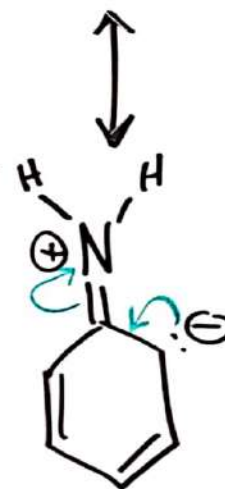
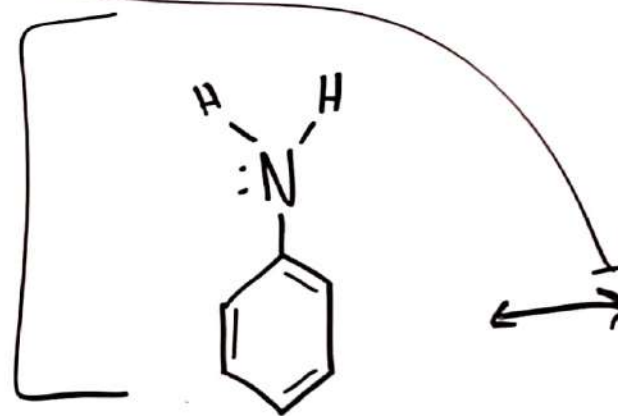
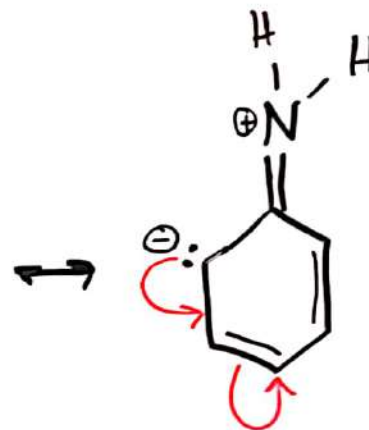


ex

SIDE NOTE



Conjugated Ring



★ Same as Starting molecule
(Just wouldn't count toward total # of structures)