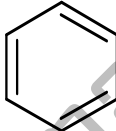
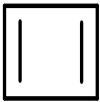

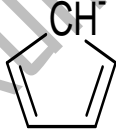
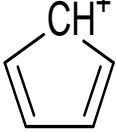
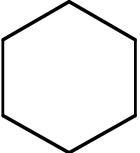
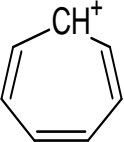
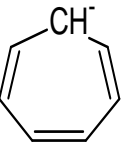
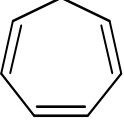

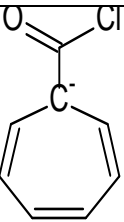
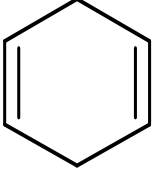


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Concept Map III AROMATICITY, ANTIAROMATICITY AND NON AROMATICITY

Conditions	Aromaticity	Antiaromaticity	Non-Aromaticity
01	Cyclic system	Cyclic system	Cyclic system
02	Planar	Planar	Non-planar
03	All carbon atoms should be sp^2 hybridized	All carbon atoms should be sp^2 hybridized	sp^2 & sp^3
04	$(4n+2) \pi$ electrons $4(0)+2 = 2$ $4(1)+2 = 6$ $4(2)+2 = 10$ $4(3)+2 = 14$ $4(4)+2 = 18$ $4(5)+2 = 22$	$4n \pi$ electrons $4(1) = 4$ $4(2) = 8$ $4(3) = 12$ $4(4) = 16$ $4(5) = 20$ $4(6) = 24$	If planarity is not there 4 th rule is not applicable
Examples			
Example 1			
Example 2			
Example 3			
Example 4			

Courtesy: Chemical structures are drawn using ChemSketch software