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Final = 22 Dec 15. 7:45 am.

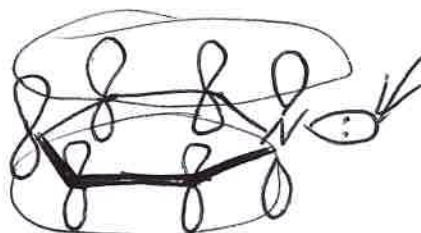
Review Session, Tues & Thurs, 5 pm, B371 (Chemistry)

Recall: How do we identify molecules that contain an aromatic π system?



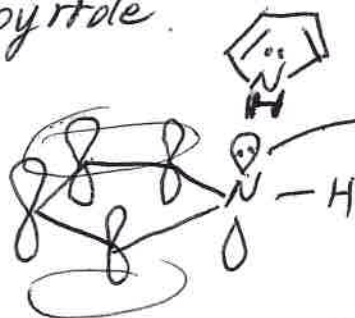
Defining Characteristics

- 1) ~~Proper~~ proper # πe^- 's (2, 6, 10, ... $[4n+2]$)
- 2) closed loop
- 3) planar



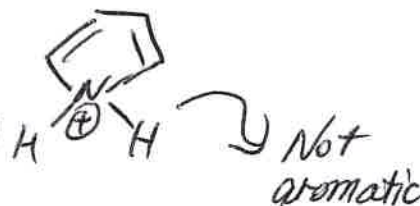
"Heterocycles" (N or O in ring)

pyrrole.



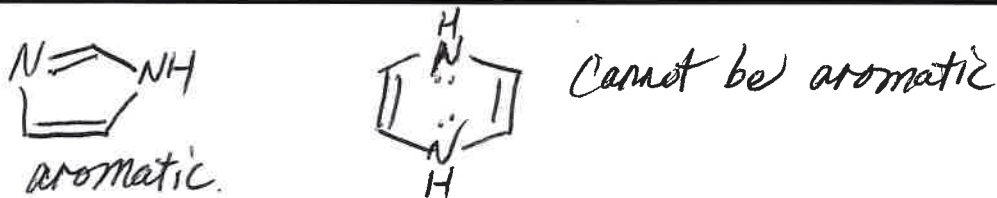
N lone pair required for aromatic π system

\therefore N not basic

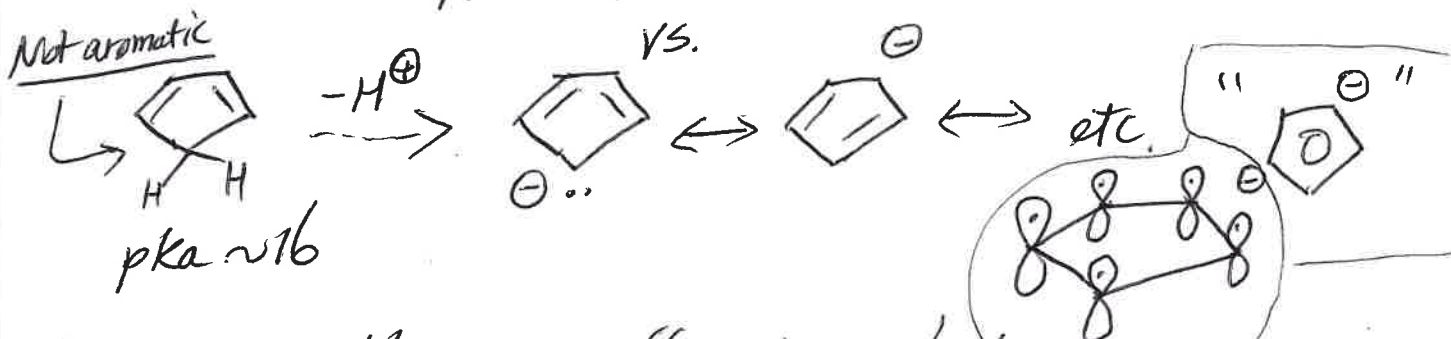
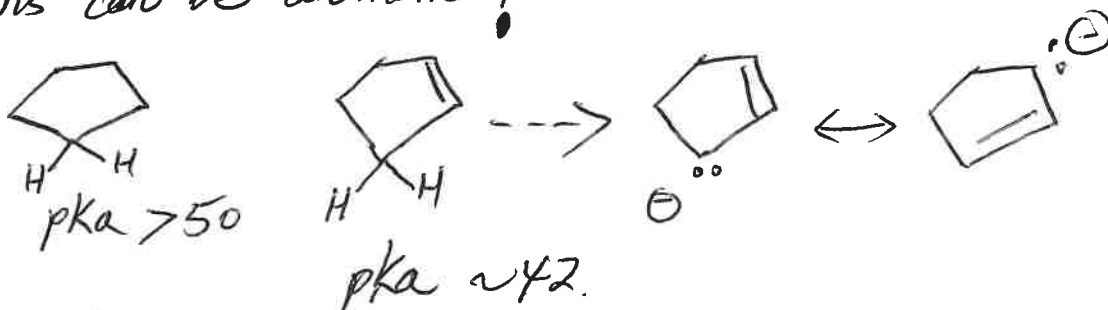


If a heterocycle can be aromatic, it will be!

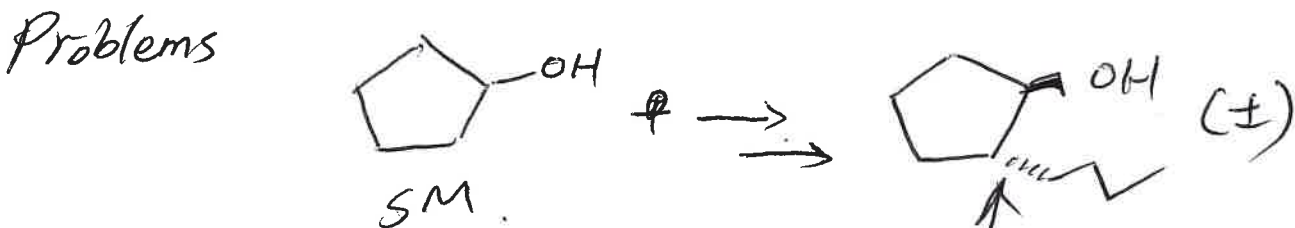
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Ions can be aromatic!



Synthesis problems — "working backwards"



∴ Must generate a new C-C bond. → Recall: $RMgX$ or R_2CuLi add to epoxide

C1CCCC1(O)CCC from C12OC1CCCC2 ? Yes.

Course Chem 343 Lecturer Grellman
Day Monday Date 12-14-15
Notes Taken By LD Total # of Pages 3

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Interested in Chemistry (?) → B. S. Chemistry

↓
Get research experience!

↓
Industrial position
("technician")

↓
Graduate School
ph.D. 5-6 years.