ORGANIC CHEMISTRY 2 LECTURE GUIDE 2019

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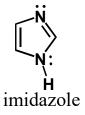
## Lesson IV.5. Aromaticity Effects on Acidity and Basicity

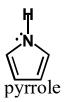
Aromaticity and basicity - It's all about stability

The basicity of molecules/sites in a molecule can be predicted by thinking about the behavior of the lone pairs as related to aromaticity:



pyridine



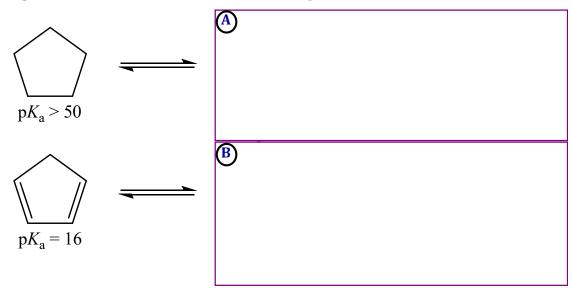


<u>Notes</u>			

## **Lesson IV.5. Aromaticity Effects on Acidity and Basicity**

Aromaticity and acidity - It's all about stability

Likewise, we know that acid strength is tied to the relative stability of the conjugate base anion. If a compound becomes aromatic upon deprotonation, this will make it a stronger acid:



<u>Notes</u>		