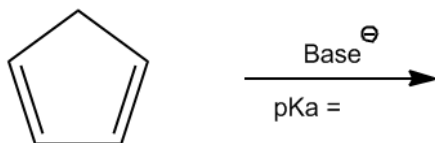


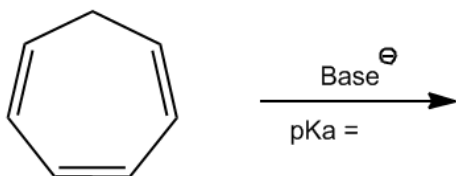
CONCEPT: ACIDITY OF AROMATIC HYDROCARBONS

Aromatic hydrocarbons are not naturally acidic. In fact, the pKa of benzene is _____

- If a hydrocarbon can become aromatic by donating a proton, it will be *uniquely acidic*. i.e. cyclopentadiene



- If a hydrocarbon becomes antiaromatic by donating a proton, it will be *uniquely non-acidic*. i.e. cycloheptatriene



EXAMPLE: Would the following hydrocarbon be expected to display unusual acidity? Explain your reasoning.



EXAMPLE: Would the following two hydrocarbons be expected to have similar acidities? Explain your reasoning.

