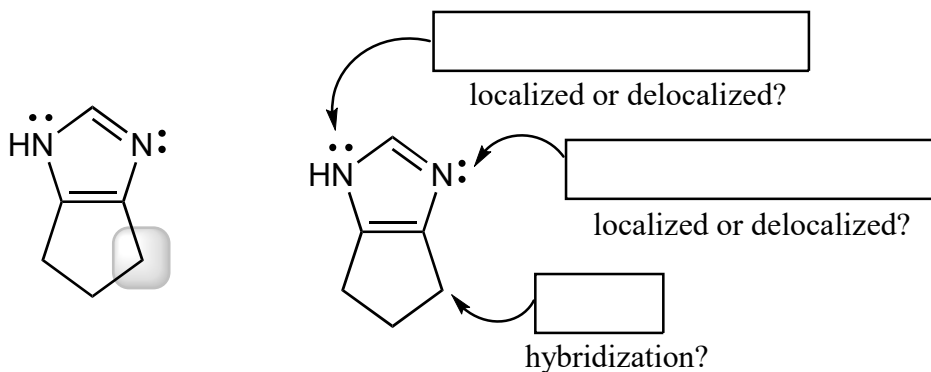


Page 3 (23 pts)

3A. (6 pts) Identify the hybridization of the highlighted atom, and identify each lone pair as being localized or delocalized (place answers in provided boxes). No explanation needed.



3B. (2) Indicate your choice (A, B or C) for whether HCl involves: HCl

A) covalent bonding only

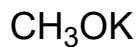
B) ionic bonding only

C) both covalent and ionic bonding

☐

type of bonding?

3C. (10 pts) Provide a complete Lewis structure for each of the following.



3D. (5 pts) Is the following molecule polar or nonpolar? **Explain, using drawings as appropriate.**
NO drawing = NO credit

