

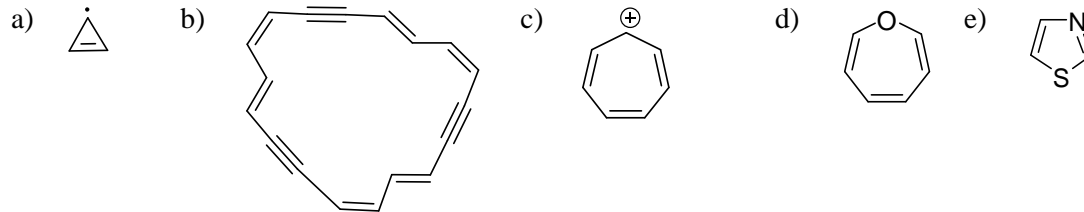
Organic Chemistry 2

Quiz #2

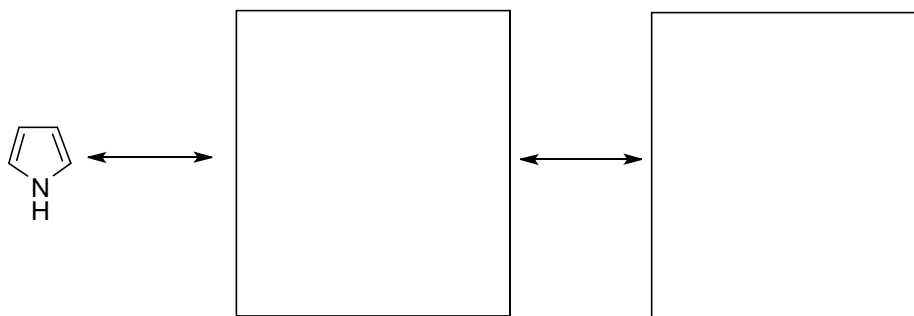
February 3, 2012

Name: \_\_\_\_\_

1. Circle all the structures that should be aromatic.



2. Draw two resonance structures that show which pyrrole ring atoms will have a large amount of electron density. Be sure to include electron flow arrows, lone pair of electrons and formal charges where appropriate. (2 pts.)



3. The Diels-Alder reaction can be under thermodynamic and kinetic control just like electrophilic addition of dienes. Shown below is an energy diagram of a Diels-Alder reaction. Identify the thermodynamic product by writing 'hot tamale' next to it and write 'lickety split' next to the kinetic product. (2 pts.)

