

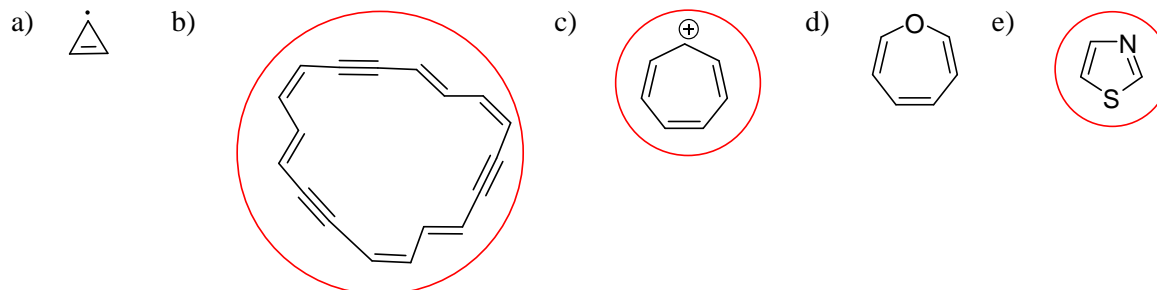
Organic Chemistry 2

Quiz #2

February 3, 2012

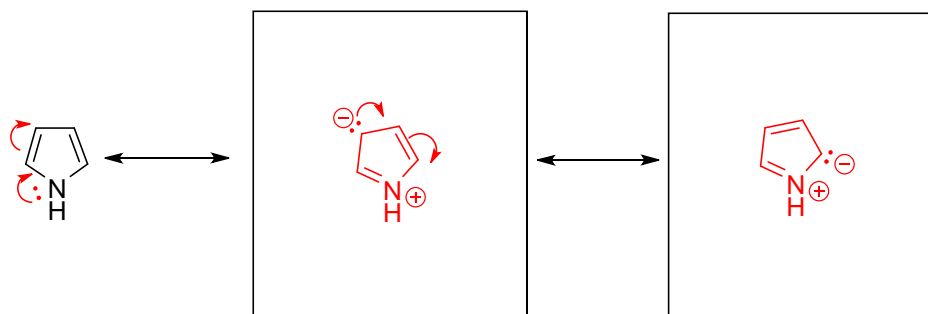
Name: Eli Manning

1. Circle all the structures that should be aromatic.



Loudon 15.42 and 15.43.

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.)



Loudon 25.3

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.)

