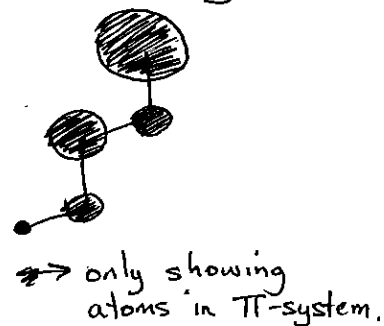
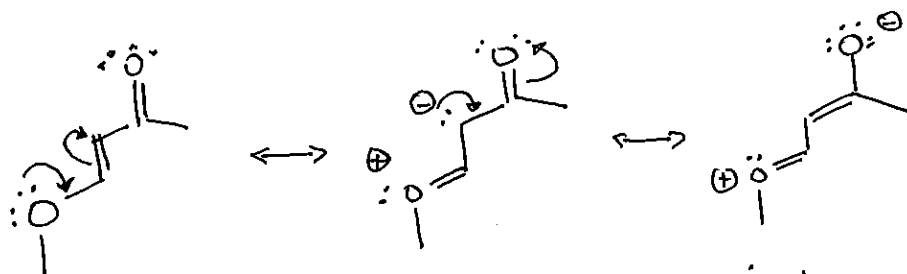


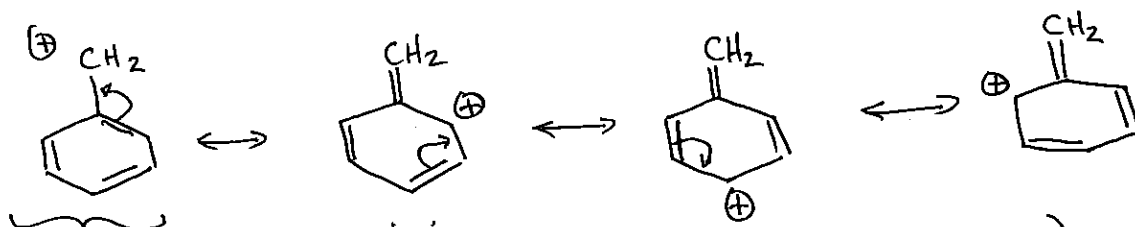
Chemistry 2500
Assignment # 3 - Resonance Structures - Answer Key

1a)

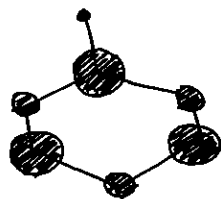


→ these are the only resonance contributors with octets everywhere.

b)



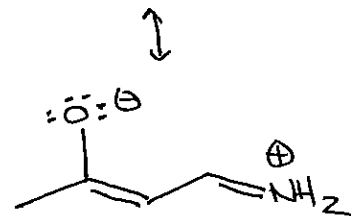
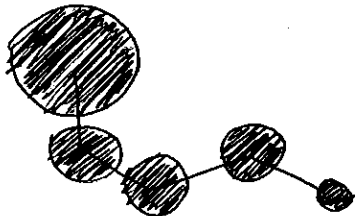
most important contributor (benzene ring is aromatic).



2

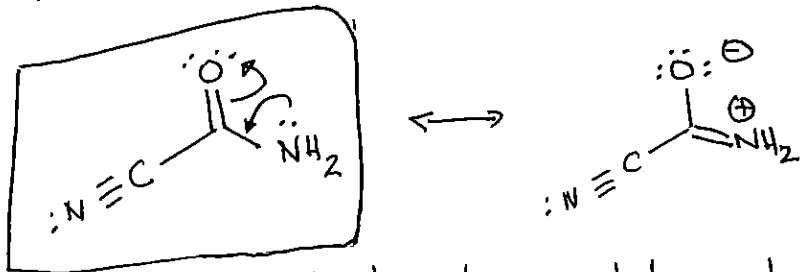


These 2 resonance contributors have octets everywhere \therefore ignore those with sextets.



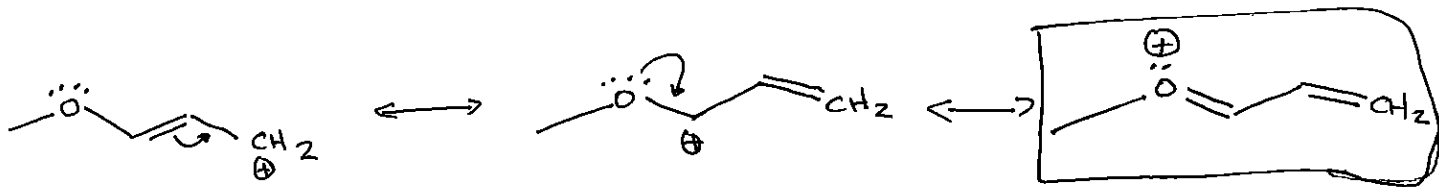
Assignment #3 - Resonance Structures - Answer Key.

3. a)



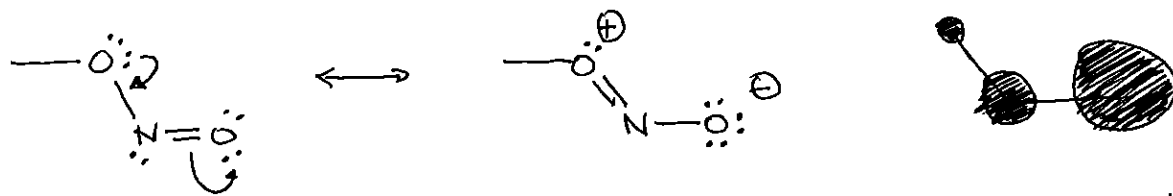
→ all atoms have octets, and there are fewer charges;

b)



→ all atoms have octets

4a)



→ all other contributors do not have octets everywhere.

b)

