Gen-Chem: Resonance Returns—More Practice and Choosing Major/Minor Contributors

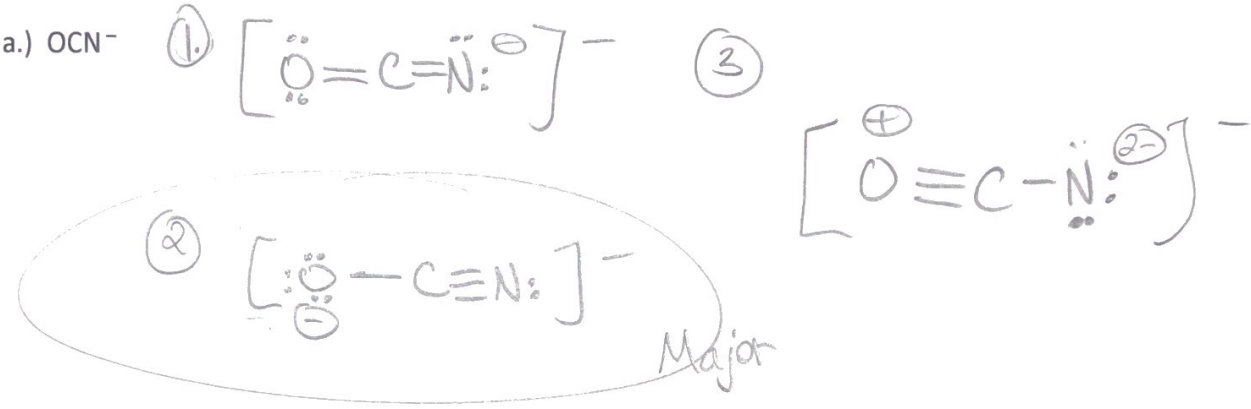
Solutions Walk-through shows Resonance

Welcome back, gang. So by now, I think it's safe to assume we have our resonance bearings and are comfortable drawing all the hybrids for a given structure. I wanted to include a second worksheet because resonance is **so** important. Additionally, I wanted to include more challenging practice (that's right, we're cranking up the difficulty but I know you can handle it). Also, I wanted to expose you to problems where you have to identify the major/minor resonance contributors (a popular "flavor" of resonance exam question). But enough of me textually yapping—let's get resonance-ing.

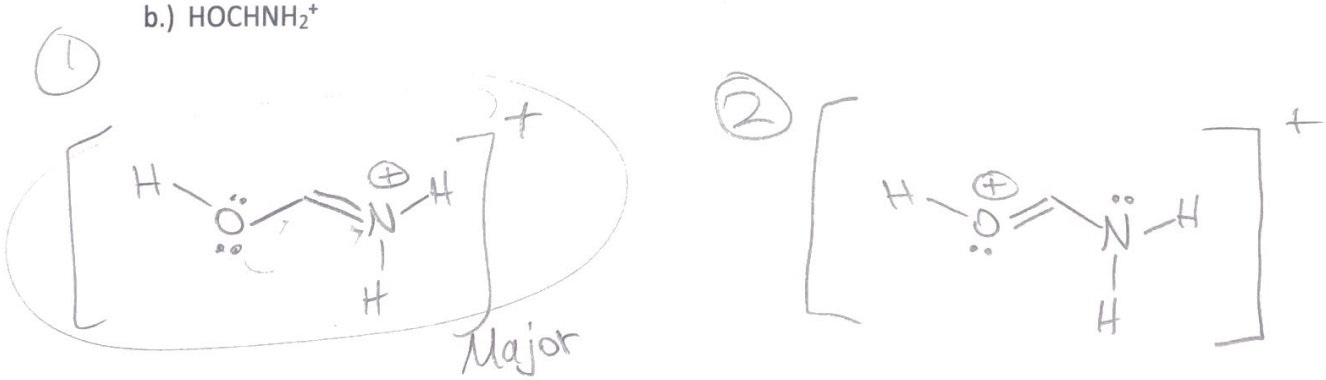
* Structures just listed *

1.) In this problem, the objective is simple, Organic Soldier: Draw the resonance hybrids present for each given structure & indicate the major contributor or contributors.

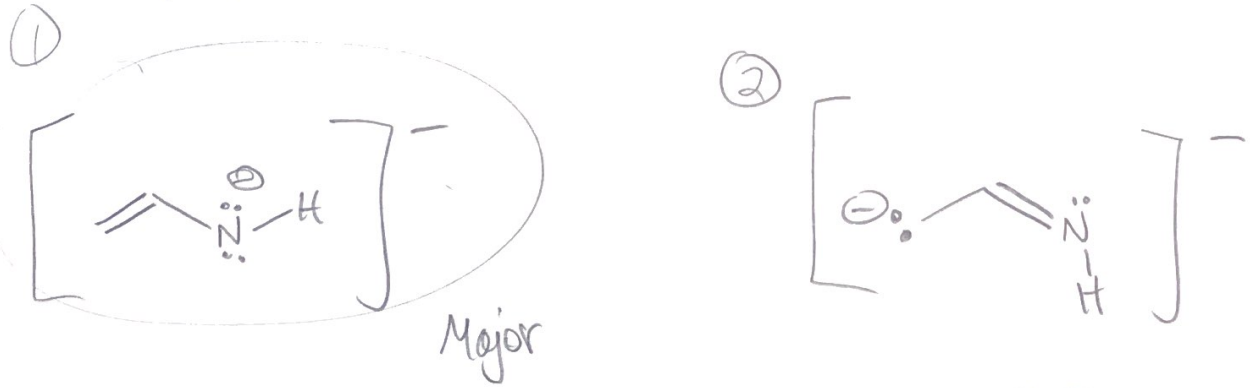
a.) OCN^-



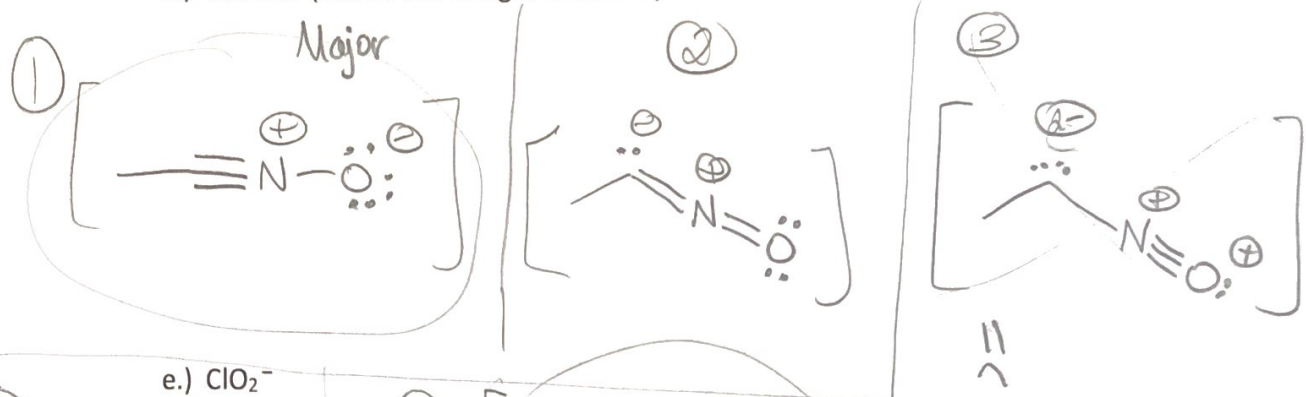
b.) $HOCHNH_2^+$



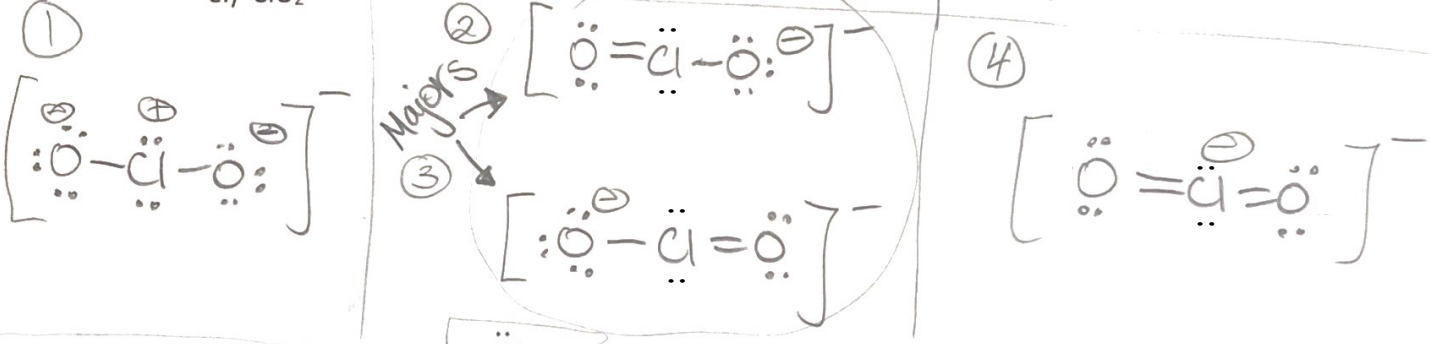
c.) CH_2CHNH^-



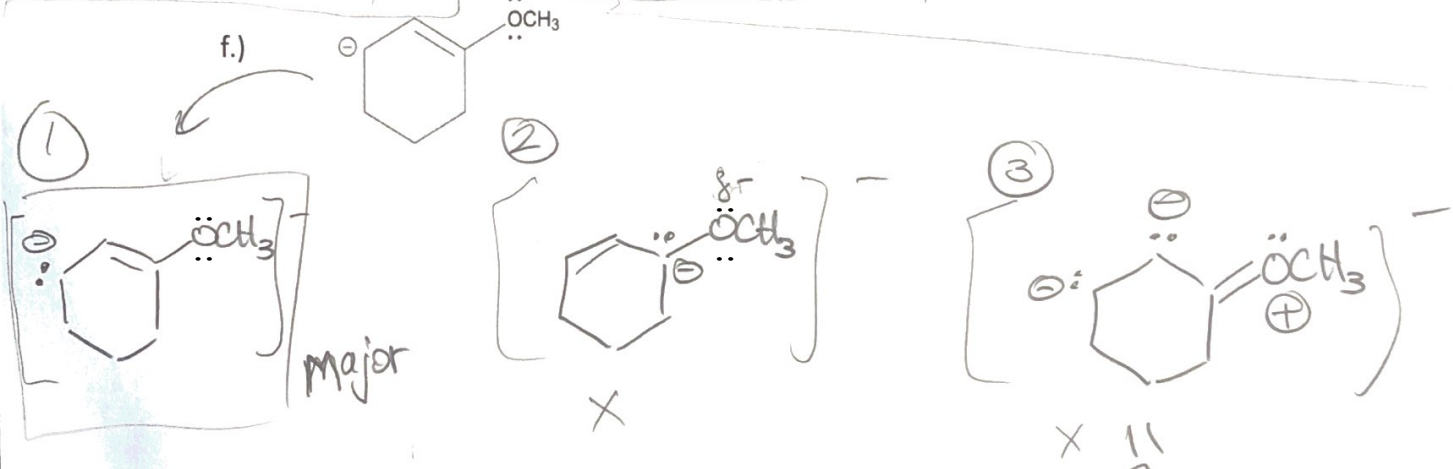
d.) H_3CCNO (drawn left to right as shown)



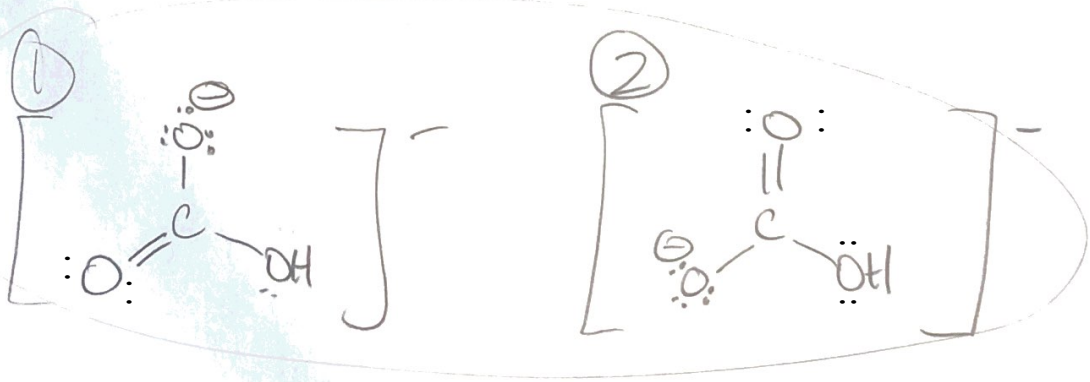
e.) ClO_2^-



f.)



g.) HCO_3^-



Majors