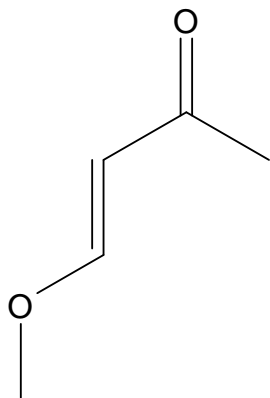


Chemistry 2500 (Fall 2017): Assignment #3 – Resonance Structures

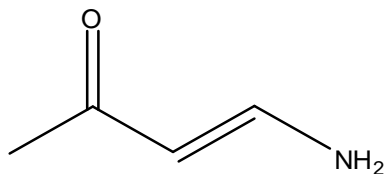
1. Draw all reasonable resonance contributors and an electron density map for:

a)



b) $\text{C}_6\text{H}_5\text{CH}_2^{\oplus}$

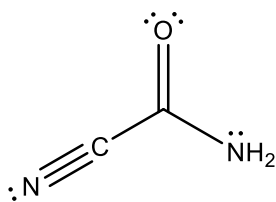
2. Draw all reasonable resonance contributors and an electron density map for:



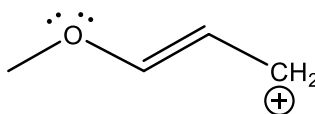
3. i) For each of the following molecules, draw all *reasonable* resonance contributors. Show all electron movement using arrows. All bonding and non-bonding electrons are shown.

ii) Circle the best resonance structure(s) and explain your reasoning in ten words or less.

a)



b)



4. Draw all reasonable resonance contributors and an electron density map for:

a) CH_3ONO

b)

