Problem of the Day 06  
Section 2.2  
Question 2.07 (a)

Using the atoms of acetic anhydride, draw a structural isomer that contains all closed shell and uncharged atoms, and is a structure with at least two resonance contributors with all closed shell atoms. Draw the 3D orbital picture of the resonance contributor with uncharged atoms.

(a) acetic anhydride

This question does not have an easily-determined finite answer (which is an important idea to get used to - within the context of the given information, there can often be multiple answers that are consistent)

Some possible $\text{C}_4\text{H}_6\text{O}_3$ structural isomers with at least two closed shell resonance contributors: