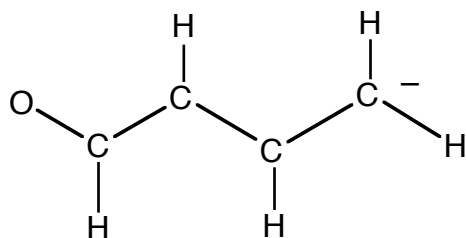


Problem 12, Chemistry 301X-2006



- Add bonds and show electron pairs as dots in the structure shown schematically above.
- Draw reasonable resonance forms for this molecule.
- Circle or otherwise indicate the lowest energy resonance form of the ones you wrote.
- (watch out! HARD) MJ claims that this molecule is planar, that all 10 atoms lie in the same plane. He's right. Why? Hint: The magic word is "overlap."