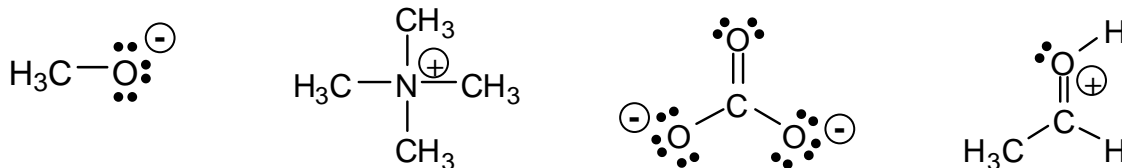


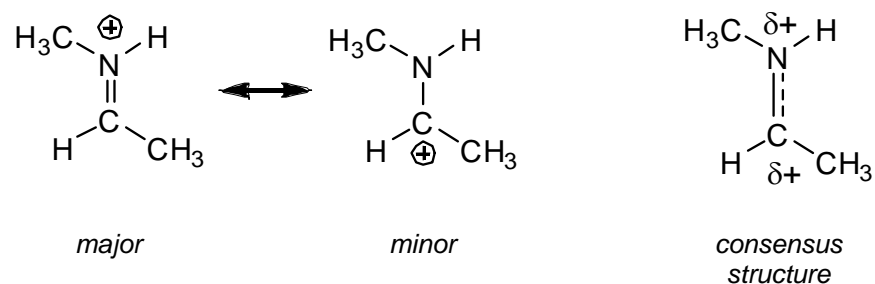
Workshop 3 Solutions Charge and Resonance

1.



In my opinion, the best way to keep track of this is to look for a number of bonds that doesn't match the typical valency of an atom (2 for oxygen, 3 for nitrogen).

2.

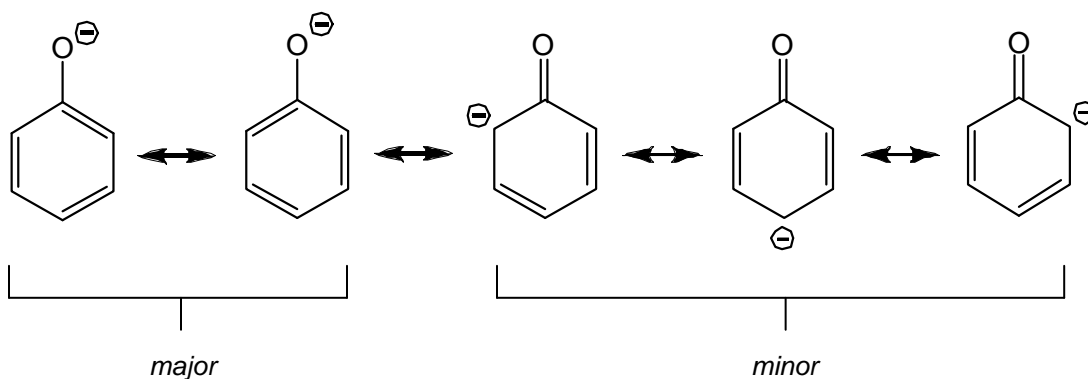


Good: Filled octets.

Bad: Positive charge on electronegative atom.

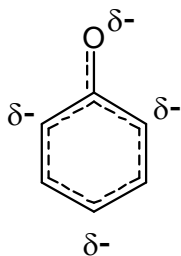
Good: Positive charge on electropositive atom.

Bad: Unfilled octet.

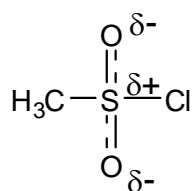
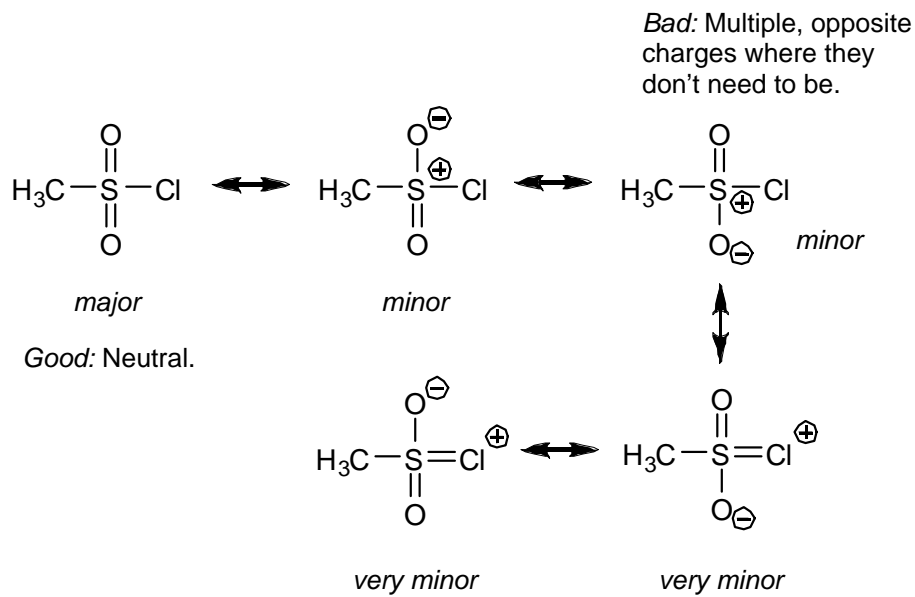


Good: Negative charge on electronegative atom.

Bad: Negative charge on electropositive atom.



consensus
structure



consensus
structure

Very Bad: Positive charge on most electronegative atom.