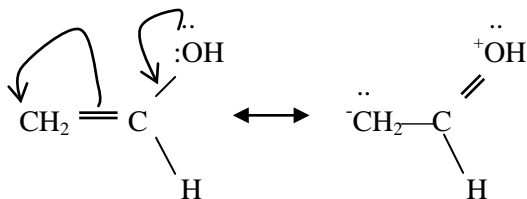
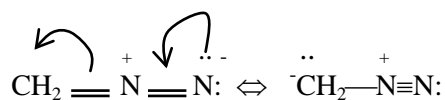


**Rules for Writing Resonance Structures:**

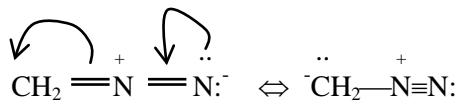
1. Don't move nuclei of atoms. Only  $e^-$ s in conjugated p orbitals are moved.



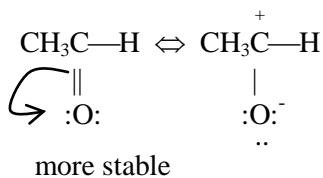
2. Each resonance structure must have the same # of  $e^-$ s & the same total charge.



3. The relative stabilities of resonance structure can be judged by the same rules that are used to judge the Lewis structure: the octet rule, the # and location of the formal charge.



4. The actual structure most resembles the most stable resonance structure.



5. The resonance stabilization energy increases as the # of important resonance structure increases.

