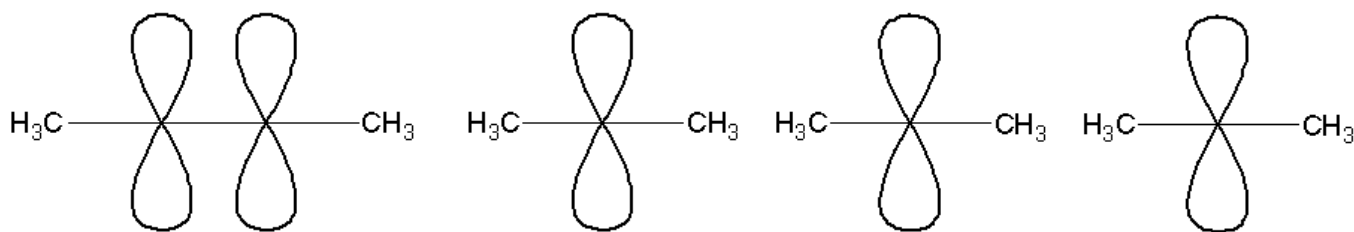


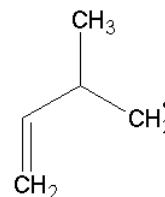
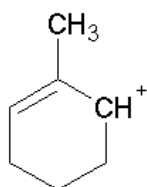
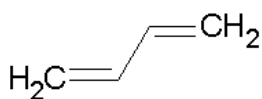
CONCEPT: INTRODUCTION TO CONJUGATION

Conjugation exists when three or more atoms with the ability to resonate are adjacent to each other (overlapping).

- Conjugation provides an electron "highway" to _____ from one side of the molecule to the other.
- Conjugated molecules display unique chemical reactivity. The higher the conjugation, the _____ the UV wavelength.



EXAMPLE: Which of the following molecules exists in a conjugated state?



- Allylic carbocations, carbanions, and radicals are unusually stable due to _____

