Conjugation and UV/VIS Spectroscopy

- UV/VIS measures “HOMO-LUMO gap”
- Conjugation lowers energy gap between HOMO and LUMO
- Conjugation → longer $\lambda_{\text{max}}$

Electronic excitation 1,3-butadiene

Conjugation in $\pi$-Systems: Propene and Hyperconjugation

Propene and Hyperconjugation

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