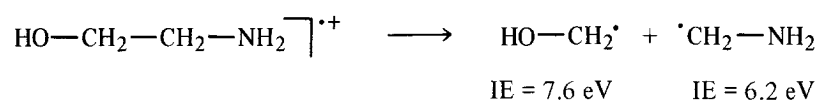
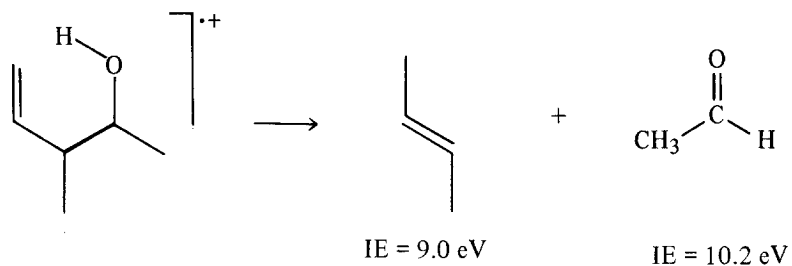


Stevenson's Rule

(a) Assign charge to one of the two products of each fragmentation shown.



(b) Predict the spectra of the molecules $\text{H}_2\text{N}(\text{CH}_2)_3\text{OH}$, $\text{H}_2\text{N}(\text{CH}_2)_3\text{CH}_3$, $\text{H}_2\text{N}(\text{CH}_2)_3\text{Cl}$, and $\text{HO}(\text{CH}_2)_3\text{Cl}$.