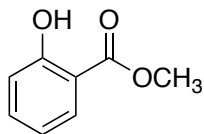
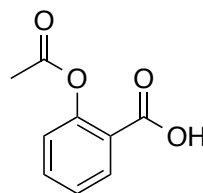
**Carvone****Methyl Salicylate
(Wintergreen Oil)****Acetylsalicylic Acid
(Aspirin)****Table 1. IR Analysis of Carvone**

Functional Group	Bond Assignment (C=O, N-H, etc.) from IR Table	Expected Wavenumber from IR Table	Literature Wavenumber (IR provided)	Observed Wavenumber (your IR)

**You will make 3 of these tables for Experiment 5 – one for each compound above. Start by identifying functional groups then use the IR table of values provided to find the corresponding expected stretches & bends.

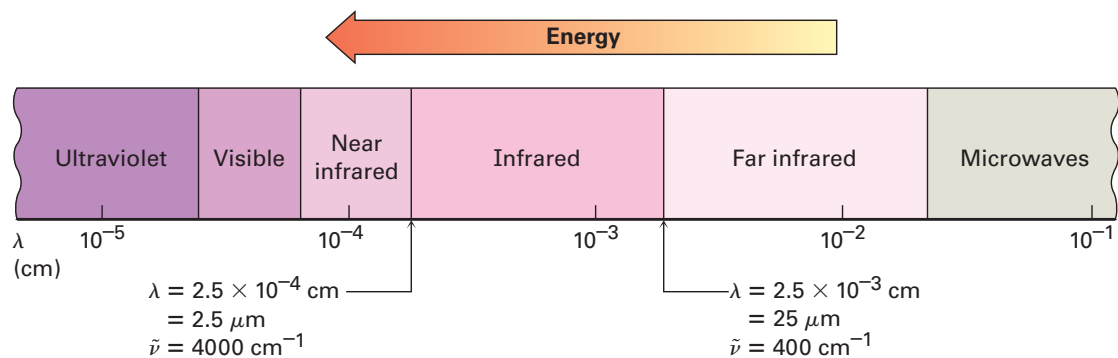


Figure 12.13 The infrared and adjacent regions of the electromagnetic spectrum.

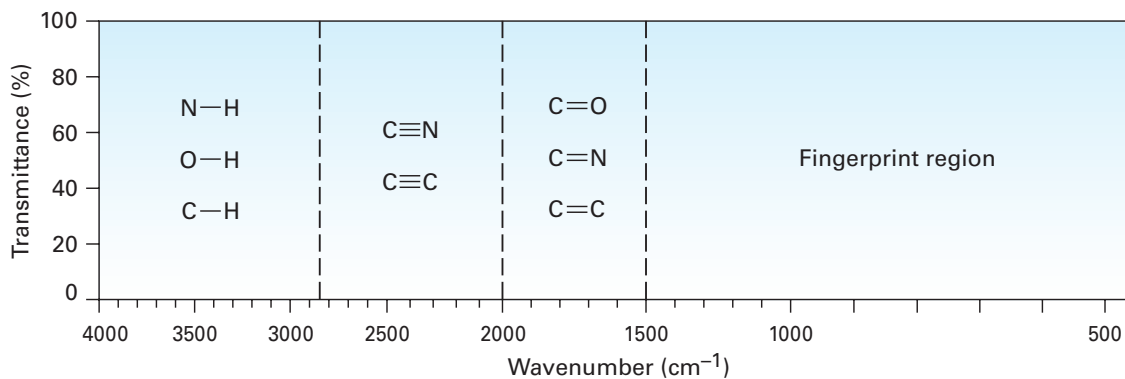
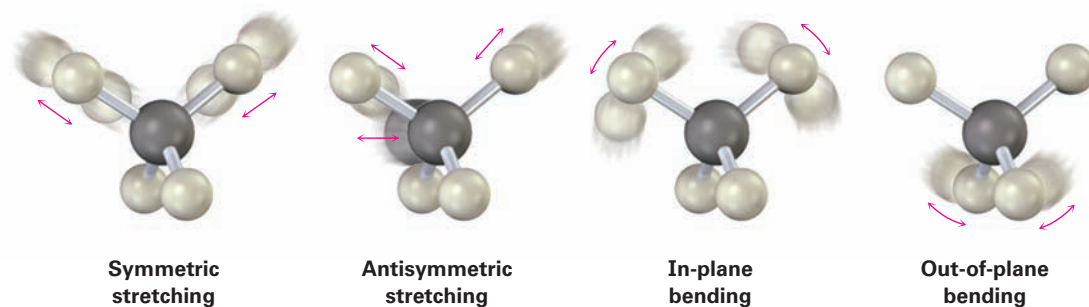


Figure 12.15 The four regions of the infrared spectrum: single bonds to hydrogen, triple bonds, double bonds, and fingerprint.