

Skeletal (or line) structures -- see section 2.3

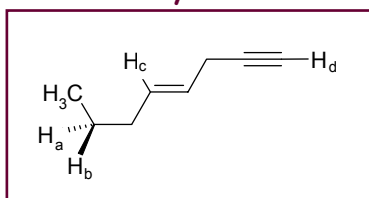
- Drawings that provide a general feeling for the structure:
 - Bonds & approximate bond angles shown
 - Alkyl chains look like zigzags
 - Cyclic alkanes look like polygons or "rings"
 - Carbon atoms are not shown
 - Vertices and "ends" of bonds imply C atom is there
 - Hydrogen atoms bonded to C are not shown, but are implied
 - All heteroatoms are shown (*e.g.*, O, N, halogens...)
 - Hydrogen atoms shown if bonded to heteroatoms
 - Lone pairs on heteroatoms optional (usually left out)
 - Formal charges (if appropriate) are always shown

Note: often see mixes of skeletal & condensed structures

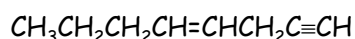
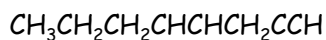
- especially: cyclic compounds as rings, or parent chain as zigzags with substituents written in condensed structure format

(1)

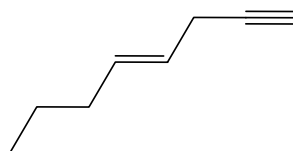
**On your Problem Set #1:
A mixed-style structure**



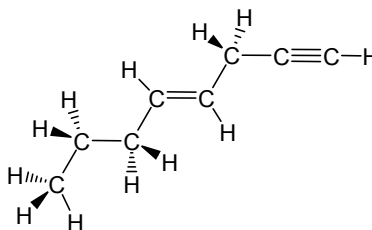
Two condensed representations:



A proper skeletal (line) structure:



And what this means:



(2)