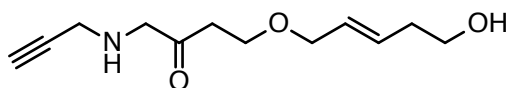


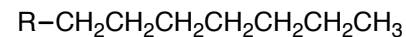
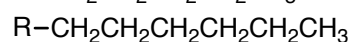
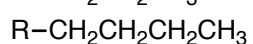
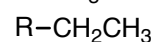
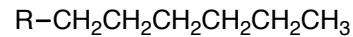
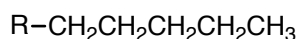
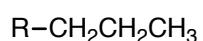
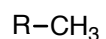
Worksheet 3: IUPAC and Naming

Skill-Building Goals: Get comfortable knowing what to call different functional groups, have a baseline understanding of alkyl groups. Complex IUPAC will not be necessary for this class.

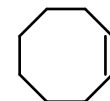
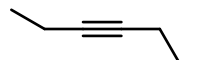
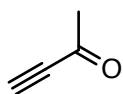
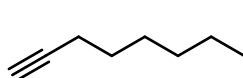
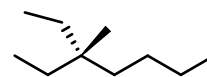
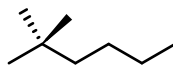
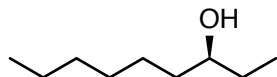
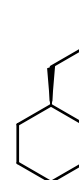
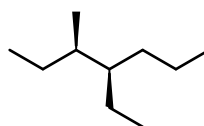
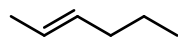
1. Can you circle and name all of the 'functional groups' on the following molecule?



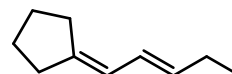
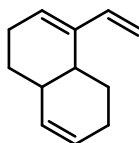
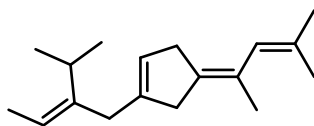
2. Provide a name and abbreviation for the following linear alkyl chains.



3. Provide an IUPAC name for the following molecules



4. Label the alkenes in the following molecule either *E*, *Z* or neither.



5. Here are some standard abbreviations that will pop up occasionally. Can you draw them?

t-Bu, *i*-Pr, Ac, Ph, Me, Et