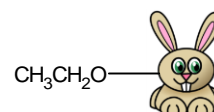
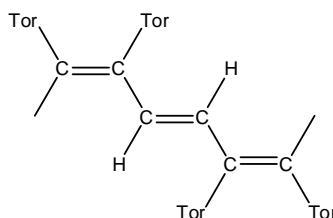
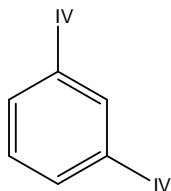
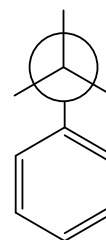
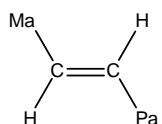
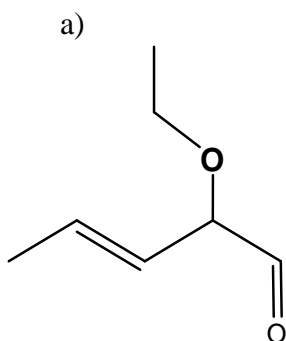


## Chemistry 2500 (Fall 2017): Assignment #2 – Nomenclature

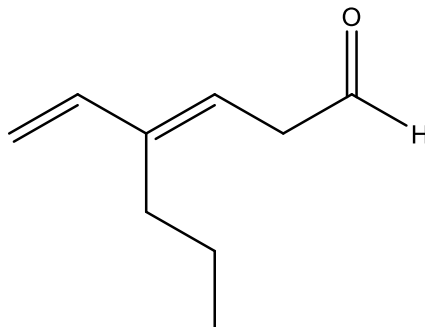
1. Draw the following molecules according to the given name. If the compound is named incorrectly give the correct IUPAC name.
  - a) 2,6-diethylheptane
  - b) 5-mercapto-2-methyl-3-hexynoic acid
  - c) 2-vinyl-5-oxohexane
  - d) 3-isobutyl-3-cyano-2-isopropylpropanal
2. Draw the following molecules according to the given name. If the compound is named incorrectly give the correct IUPAC name.
  - a) 6-oxo-3-isopropyl-1,4-cycloheptadien-7-ol
  - b) 1-allyl-2-*sec*-butyl-1-chloro-3-propargylcyclopropane
3. Name the following:



4. Name the following molecules according IUPAC rules:



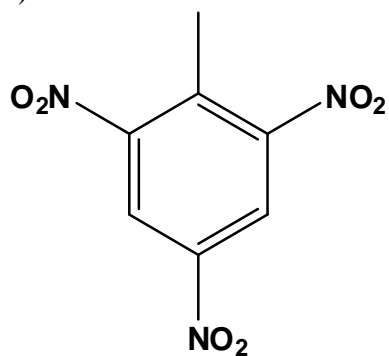
5. Name the following molecule according to IUPAC rules. Be sure to indicate any stereochemistry (*E/Z* or *R/S*) where appropriate.



6. Draw 2-isopropyl-3-butene. If this name does not follow IUPAC rules, provide the correct name.

7. Name the following molecules according IUPAC rules:

a)



b)

