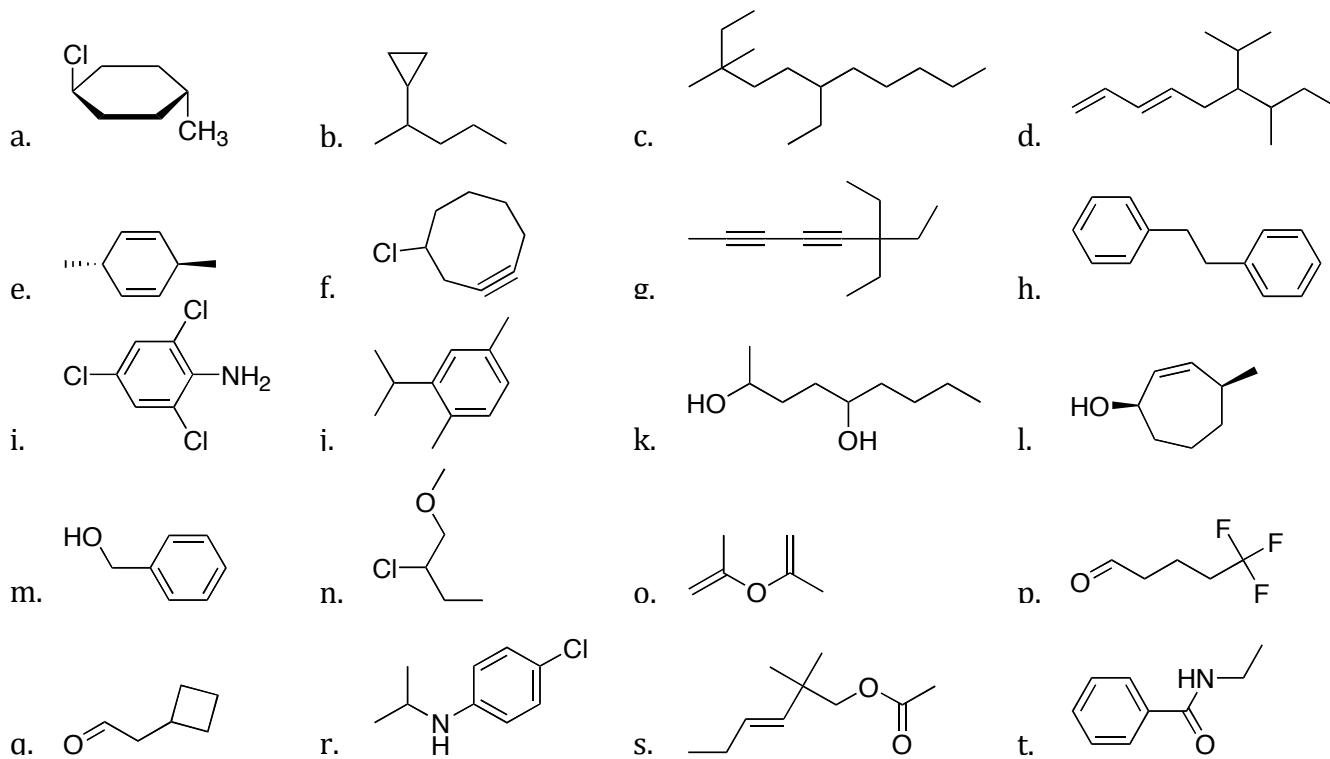


CHM1321 C
Practice Problem Set #1 – Organic Nomenclature

1. Give the IUPAC names for the following compounds.



2. Draw the structures of the following compounds.

- a. 2,3,3-trimethylheptane
- b. 1,1-difluorocyclobutane
- c. *cis*-1,3-diethylcyclopentane
- d. 2,2,3,4-tetramethyldodecane
- e. *trans*-3-chloro-5-ethylcyclopentene
- f. (*Z*)-3-methyl-3-hexene
- g. 3,3,3-tribromopropyne
- h. 4-neopentyl-dodeca-1-ene-5-yne
- i. *meta*-bromotoluene
- j. 2,5-diiodo-*para*-xylene
- k. 2,2-dimethyl-3-hexanol
- l. 1-phenyloctanol
- m. 3-chloro-4-cyclohexenol
- n. butylethylether
- o. diphenylether
- p. 3-*tert*-butyldecanal
- q. benzaldehyde
- r. triethylamine
- s. phenyl butanoate
- t. N,N-dicyclopentyl propanamide