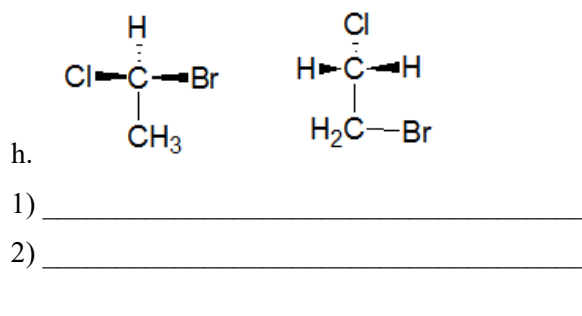
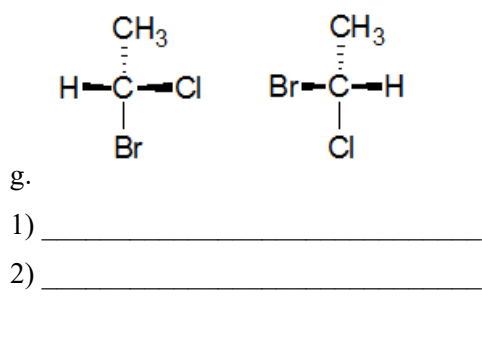
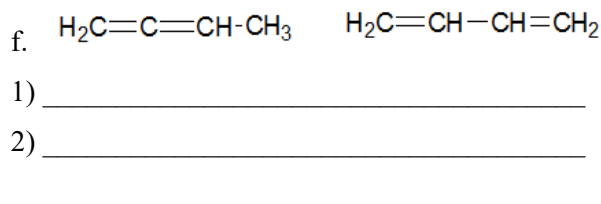
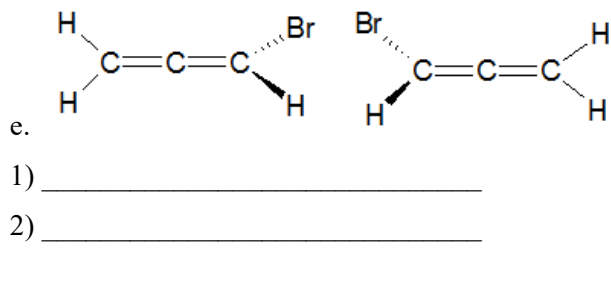
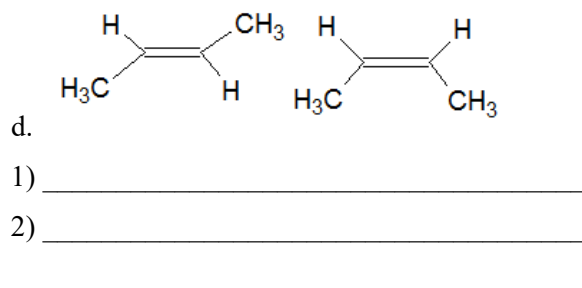
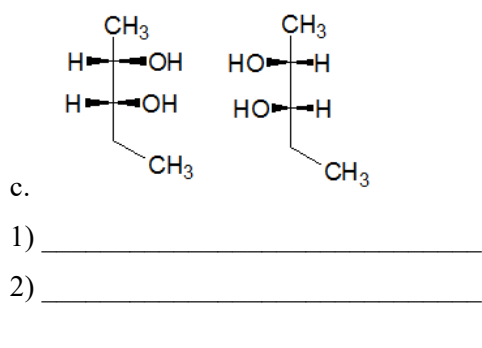
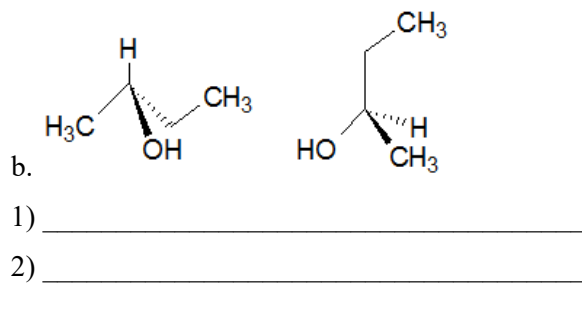
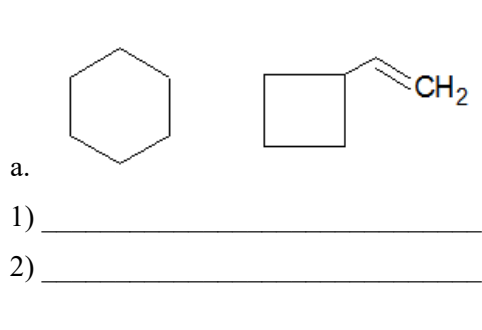


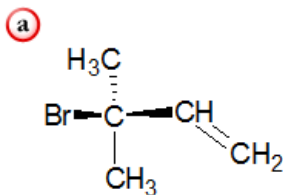
- Identify the following pairs as either constitutional isomers, enantiomers, diastereomers, same compound or different molecule
- Name each molecule correctly according to IUPAC nomenclature rules



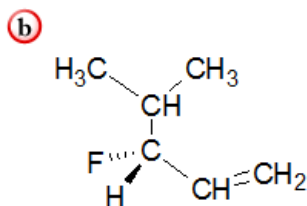
3. Draw the R and S enantiomeric forms for 2-butanol

4. Draw the R & S enantiomeric forms for glyceraldehyde (2,3-dihydroxypropanal)

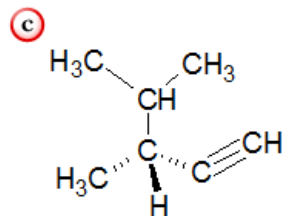
5. Assign R & S designations to each of the following



a. _____



b. _____



c. _____

6. Each of the following names are incorrect—draw the structure for each and give the correct name.

a. cis-3-pentene

b. 1,1,2,2-tetramethylethene

c. 2-methylcyclohexene

d. 3-methyl-2-butene

e. 4,5-dichlorocyclopentene

f. 2-propyl-2-butene