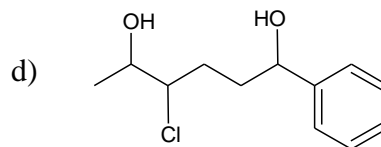
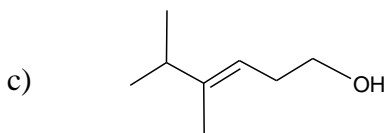
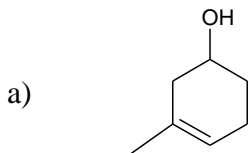


1. Give the systematic names of the following alcohols. Also classify them as primary, secondary or tertiary.



2. Draw the structures of the following compounds

a) 3-cyclohexyl-3-pentanol

b) 3,4-dimethyl-4-octanol

c) 2,4-pentanediol

3. Predict which one compound of the following pairs of the compounds will have a higher boiling point. Give a brief reason for your choice.

a) 2-hexanone or 2-hexanol

b) 2-pentanol or 2-hexanol

4. Predict which compounds in the following have the highest and the least solubility in water.
chlorocyclohexane, cyclohexanol, 1,2-cyclohexanediol

5. Predict which of the following compound in the pairs is more acidic.

a) Cyclohexanol or 2-chlorocyclohexanol

b) 2,2-dimethyl-1-butanol or 1-butanol

6. Complete the following acid base reactions

