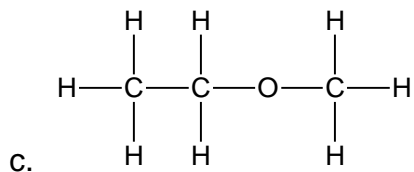
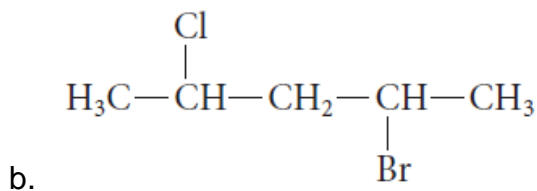
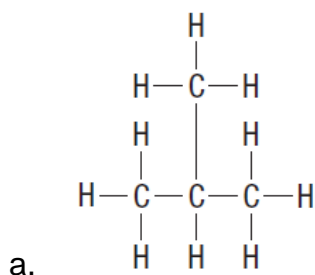


Organic Chemistry Review

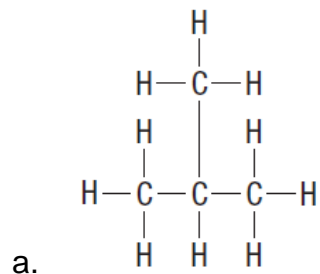
1. Draw the structural formula for each of the following organic molecules:

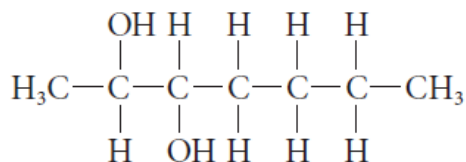
- but-2-ene
- hexanal
- pentanone
- ethanoic acid
- mehoxypropane
- 2-methyl-3-ethylpentane
- benzene

2. Identify the functional group(s) and/or organic family of each of the following.

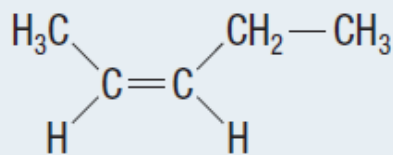


3. Provide the correct name for each of the following structures:

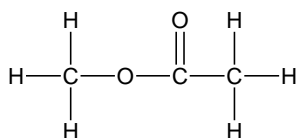




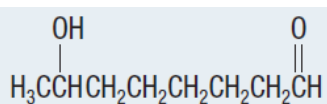
b.



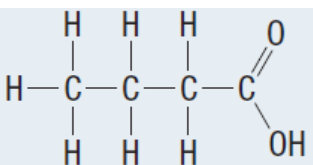
c.



d.



e.

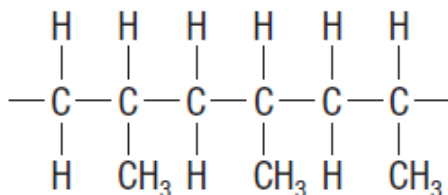


f.

4. Write a complete, balanced structural formula equation to illustrate each of the following reactions, using a simple example. Name all of your reactants and products.

- the complete combustion of an alkene.
- an addition reaction of a cycloalkene and water to make an alcohol
- an condensation reaction of two alcohols to produce an ether
- a condensation reaction between an amine and an acid to make an amide

5. What monomer would be used to create the following polymer



6. What are chiral molecules? Give an example.

7. There are two types of polymers. What are they and how are they created?