Chp 5: Nomenclature (O-Chem) #4

Name: _____ Date: _____ Pd: _____

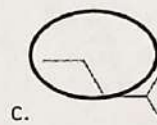1. Draw the following molecules from their IUPAC names:
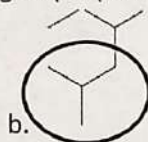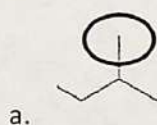   a. 2-methylpentane

   b. 4-ethyl-2-methylhexane

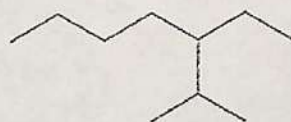   c. 3-ethyl-3-methylheptane

   d. 2,2,3-trimethylbutane

2. Label the following <u>substituent</u> groups: (Remember to change the ending of the name to "-___")
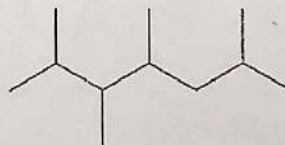

   a.

   b.

   c.

3.

   Name each of the following alkanes using the IUPAC system.

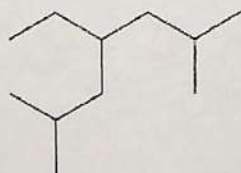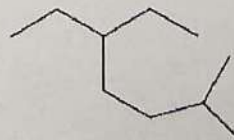   Hint: *you want the longest chain w/
          the most substituents

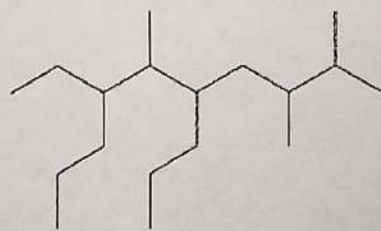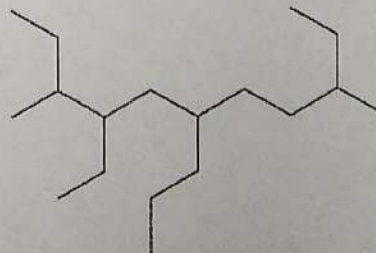   a)

   b)

   c)

   d)

   e)

   f)

   ★Hint:
   11 Carbons is
   called "undec"

4. Name each of the following molecules:

  a.   b.   c.

d. $CH_3C\equiv C-C\equiv C-C\equiv CCH_2CH_3$
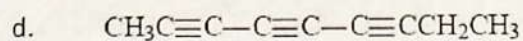

e.   f.

g.   h.   i.
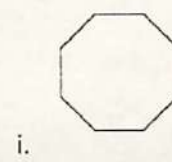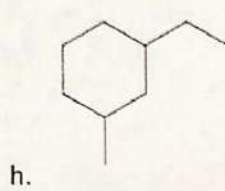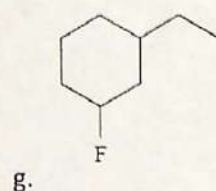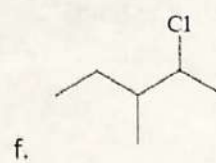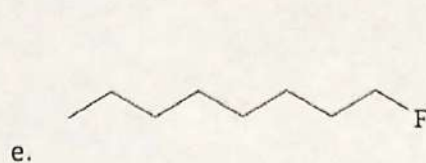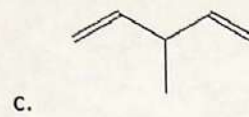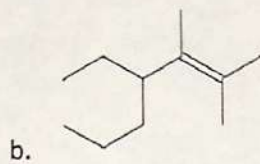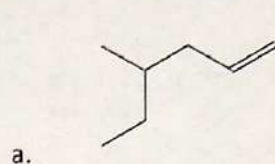
5. Name the following molecules that contain functional groups:

a.   b.

c.   d.

e.   f.