Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Organic Nomenclature #2**

How many hydrogens are in the following molecules?

1. A 27 carbon alkyne with one triple bond?
2. An 18 carbon alkene with one double bond?
3. A 14 carbon alkane?
4. A 105 carbon alkene with two double bonds?
5. An 8 carbon cycloalkane?
6. A 12 carbon cycloalkene with one ring and two double bonds?
7. An 22 carbon two ring cycloalkane?
8. A 9 carbon alkane with two halogens and a carboxyl group?
9. A 13 carbon cycloalkane with one ring and an amide group?
10. A 6 carbon alkene with a single bond and a ketone group?

Draw the structural formulas for the following compounds.

11) 4 methyl 3 ethyl 2,4,5 trichloro 2-penten 1-oic Acid

1. 1,3,5 trifluoro 2,4 dimethyl 4,5 diiodo 2- hexanamine
2. 2,5,5 trichloro 4 ethyl 2,6 dimethyl 4 propyl 3- heptanone
3. 2 chloro propyl butanoate