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

12) 1,3,5 trifluoro 2,4 dimethyl 4,5 diiodo 2- hexanamine

13) 2,5,5 trichloro 4 ethyl 2,6 dimethyl 4 propyl 3- heptanone

14) 2 chloro propyl butanoate