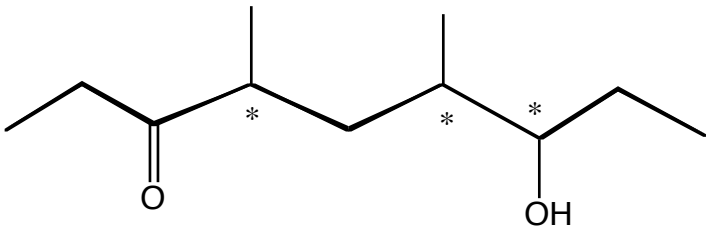
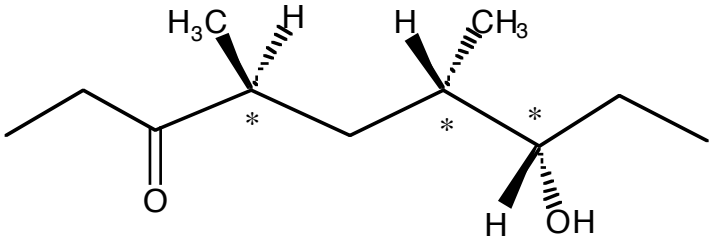
Answers to Problem 33, Chemistry 301X, 2006.

(a)



(b) There are three stereogenic carbons, so the maximum number of isomers is $2^n = 8$.

(c)



The isomer shown in the question has the *RRR* stereochemistry, so you could go directly to the structure above for the *SSS* version.