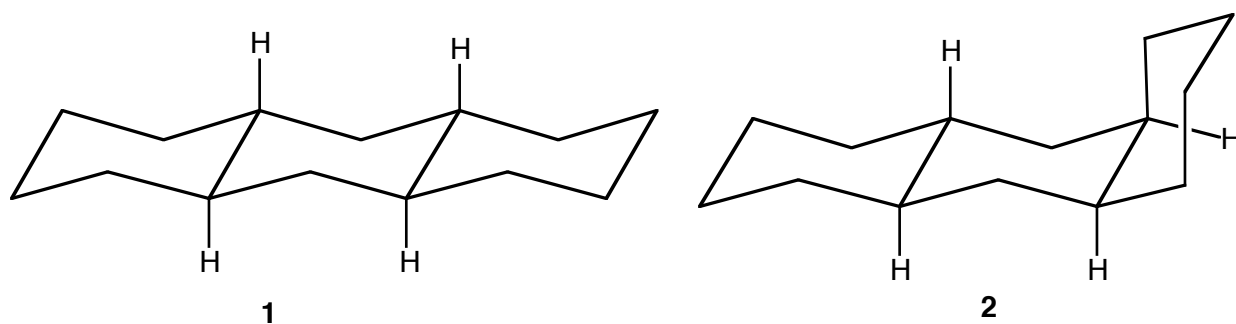


Answers to Problem 40, Chemistry 301X - 2006

(a)



(b) Compound **1**, with no axial carbon-carbon bonds is lower in energy.

(c) Compound **1** is achiral (it's a meso compound), but compound **2** is chiral.

