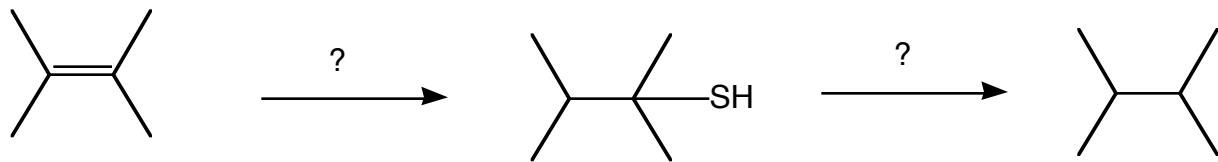
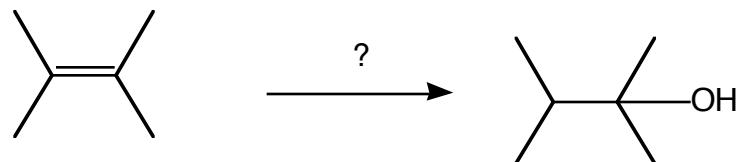
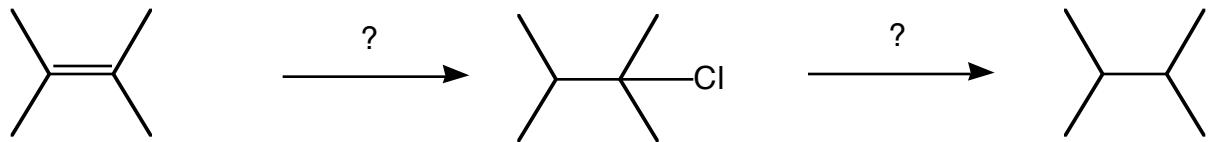
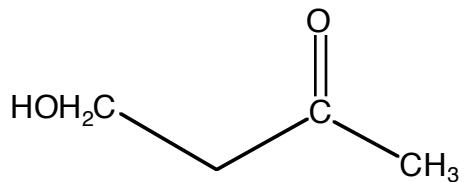


Problem 49, Chemistry 301X-2006

(a) What reagents would you use to effect the following conversions?



(b) Why does compound **1** adopt a gauche conformation rather than the (perhaps) anticipated anti conformation?



**1**

Use Newman projections.