Take-home quiz, September 25, 2006

Hand in the answers to this quiz at the beginning of class Wednesday, September 27.

1. Which of the following compounds are chiral? Which have chiral centers?

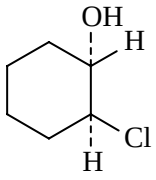
   a) 2,4-dimethylpentane

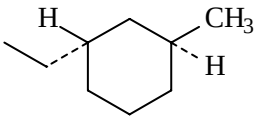
   b) *cis*-1,4-dichlorocyclohexane

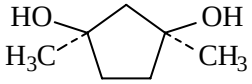
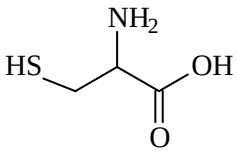
   c) 5-ethyl-3,3-dimethylheptane

   d) *E,E*-4,5-dimethyl-2,6-octadiene

2. Identify each chiral center in each structure as R or S.

   a) 

   b) 

   c) 

3. Draw the enantiomers of cysteine and identify them as R or S.