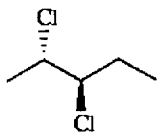


Answer Key

Testname: REVIEW QUESTIONS CHAPTER 5.TST

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

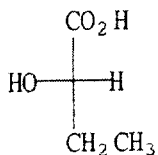
- 1) achiral
- 2) achiral
- 3) chiral
- 4) achiral
- 5) achiral
- 6) achiral
- 7) achiral
- 8) achiral
- 9) enantiomers
- 10) the same compound
- 11) diastereomers
- 12) diastereomers
- 13) the same compound
- 14)



15)



- 16) none
- 17) Yes
- 18) $+2.57^\circ$
- 19) Yes. The molecules are related as diastereomers and hence have different boiling points.
- 20)



- 21) Yes, the molecule contains 4 asymmetric carbon atoms. No, the molecule is not chiral since it is superimposable with its mirror image.