

CHE 310 – 002 & 003
Lecture Homework #19

Section 002 Due: Wednesday, March 6, 2019, 9:00 am.

Section 003 Due: Wednesday, March 6, 2019, 10:00 am.

1. Define the terms below and give an example of each. Make sure to clearly show the stereochemistry in your examples.
 - a) Enantiomers
 - b) Diastereomers
 - c) a *meso* compound

2. Identify each chiral center (carbon) in the molecule below by placing an * next to it. How many different (R/S) stereoisomers of the molecule are possible in principle? This is similar to problem 5.14 in the text.

