CONCEPT: MESO COMPOUND

Meso compounds are created when two symmetrical chiral centers cancel out, yielding 2 _____ enantiomers

□ Meso compounds have an internal line of symmetry (TEST 1), meaning they are actually _____

□ Meso compounds follow the _____ rule for total stereoisomers!

□ A compound will be meso if it meets the following 3 criteria:

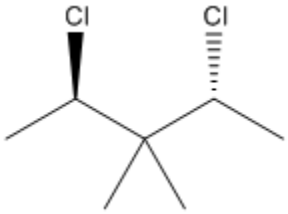
1. It has ____ or more chiral centers

2. It is atomically _____

3. An even number of chiral centers are _____ to each other

EXAMPLE: Which of the following molecules are meso, and therefore achiral?

a.



b.