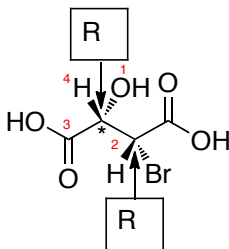
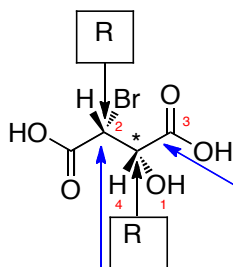


Midterm 2 Mistakes!

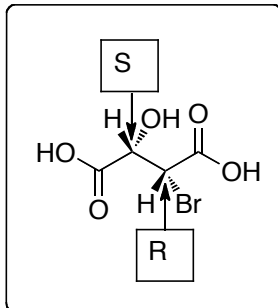
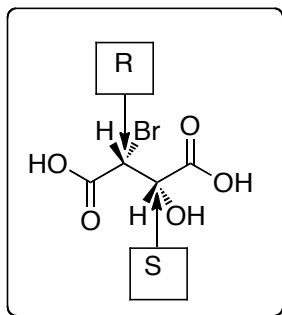
WRONG ANSWER:



Same Compound

This is higher priority than this because Br is higher atomic number than O
The proper numbering is in red.

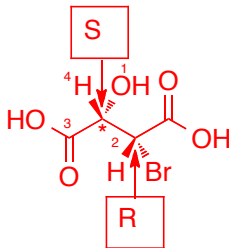
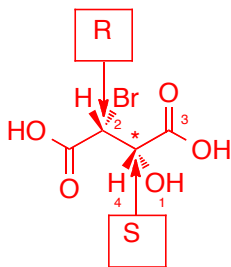
WRONG ANSWER:



Same Compound

Simply having the RS and SR stereocenters does not make it meso. It also needs to have all four of the same substituents on the chiral carbons. (One carbon has Br whereas the other has an OH)

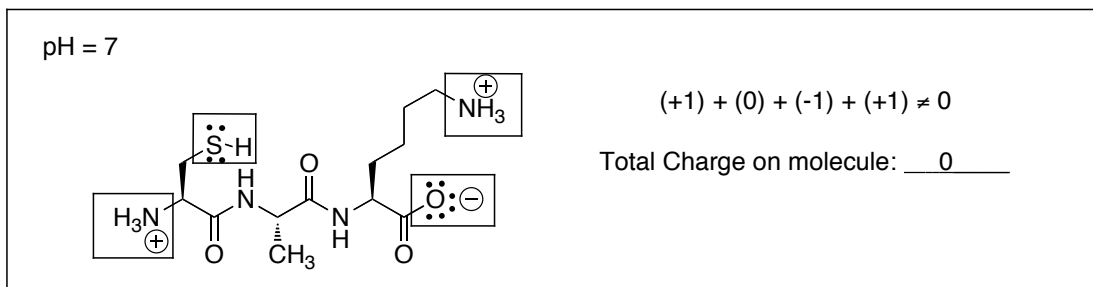
CORRECT ANSWER!



Same Compound

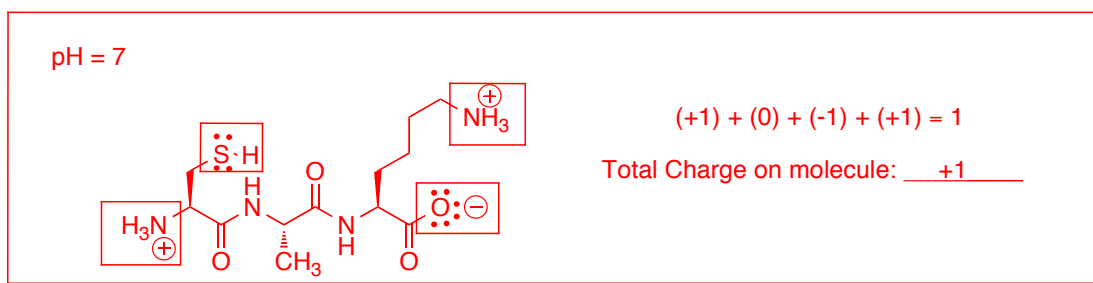
The following is another incorrect answer:

WRONG ANSWER:



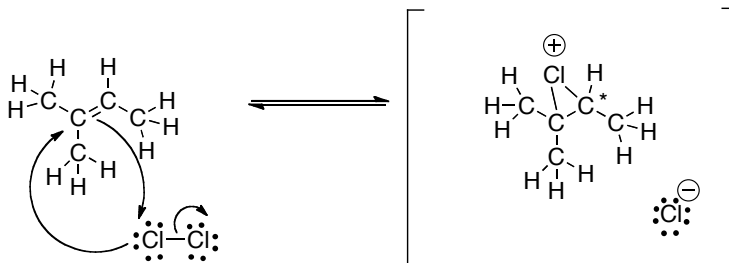
Just because the pH is 7, doesn't mean that the *charge on the molecule* is 0. You still need to add the charges of each of the individual functional groups.

THE CORRECT ANSWER:



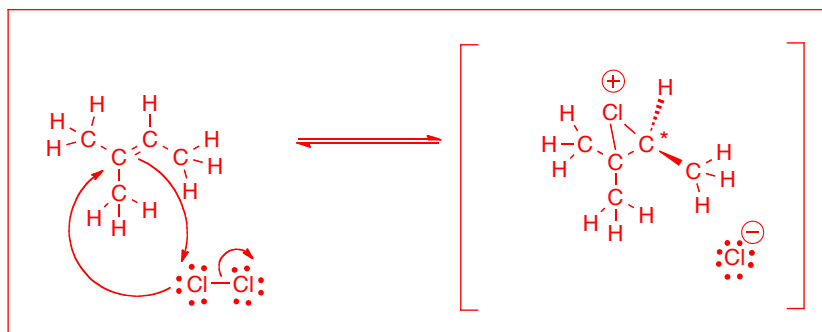
The following is another **INCORRECT** answer:

WRONG ANSWER:



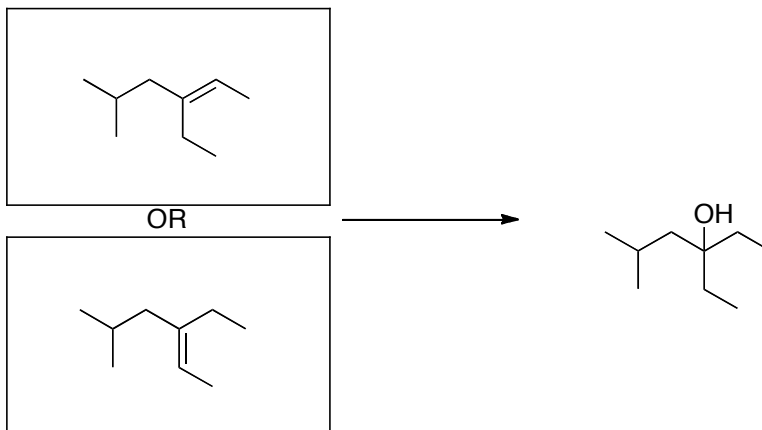
This intermediate is *chiral* at the starred carbon, so you need to indicate stereochemistry with wedges and dashes.

CORRECT ANSWER!

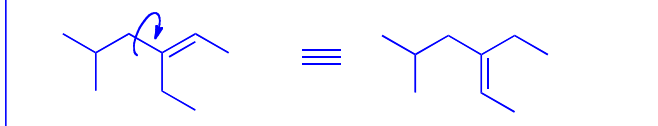


The following is another INCORRECT answer:

WRONG ANSWER:



The second molecule drawn is the *same* molecule as the one above it. Simply rotate the bond indicated to get the product below it.



THE CORRECT ANSWER:

