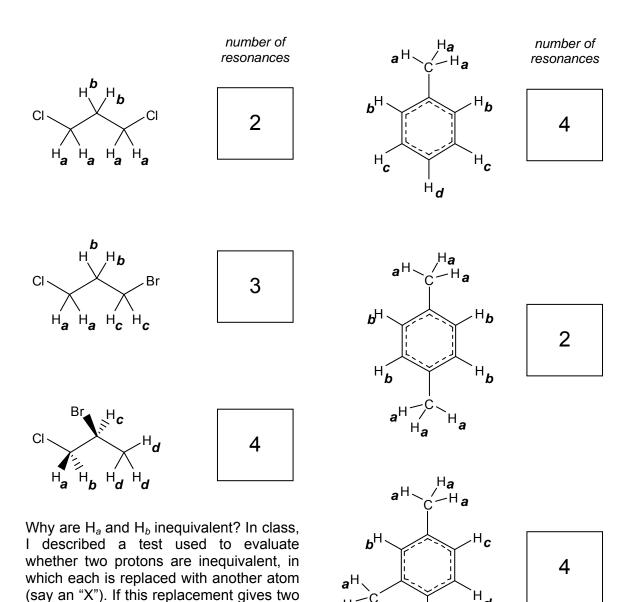
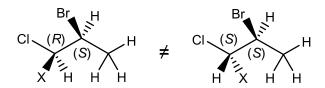
Workshop 22 Solutions Equivalent and Inequivalent Nuclei





different molecules, then those two H's are inequivalent. Here, replacing H_a or H_b

gives diastereomers:

These molecules aren't the same. (I assumed that "X" was priority #1 in the R/S assignment.) So, the two protons are diastereotopic, inequivalent.