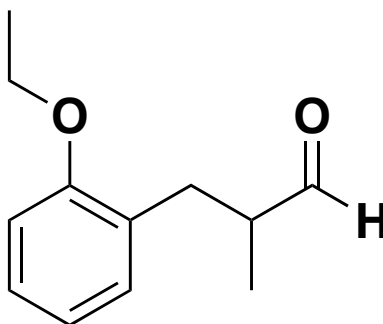


CHE 310 – 002 & 003
Lecture Homework #17

Due: Friday, March 1, 2019, 10:00 am.

1. For the molecule below, predict the number of lines exhibited by spin-spin splitting for each set of equivalent hydrogens in a first-order NMR spectrum. (Make the approximation that all coupling constants are equal.) For simplicity you can write the number (of lines) next to each carbon that possesses non-equivalent hydrogens.



2. Play a minimum of five minutes with at least five attempts on the Chemical Shifts Match Game. Spend a couple of minutes studying the pairs before you begin. I encourage you to on a computer or tablet, so that you can more easily study the pairs and see them again after matches are made.

<https://www.nku.edu/~russellk/demo/login.php>