

CHE 310 – 002 & 003
Lecture Homework #10

Due: Monday Feb 11, 2019, 10:00 am.

1. Play a minimum of five minutes with at least five attempts on the functional group Match Game

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

2. Consider the formula next to your name in the table below.
 - a. **Draw** four constitutional isomers of that formula. Hint: $C+1 - ((H+X-N)/2)$
 - b. **Clearly identify and name** one different functional group in each structure. (The same functional group can be present in more than one isomer, but you can only use its name once. You may not use *alkane* or *carbonyl* as functional groups.) No credit will be given for structures which have atoms with formal charges or unfilled valences. Each structure must explicitly show all hydrogens.

$C_6H_{12}O_2$	Amila Coric
$C_8H_{16}O$	Sarah Goodrich
$C_7H_{14}O$	Colleen Guffey
$C_8H_{15}N$	Amber Morrison
$C_6H_{11}OCl$	Andrew Patterson
$C_8H_{17}NO_2$	Abbey Proffitt
$C_8H_{17}NO$	Chaise Short
$C_8H_{16}O_2$	Ayusha Bagale
$C_7H_{13}OBr$	Katarina Bales
$C_6H_{11}NO$	Teresa Bales
$C_7H_{15}NO$	Kaycee King
$C_7H_{11}OBr$	Seth Longworth
$C_8H_{14}O_2$	Luis Montes
$C_7H_{15}NO_2$	Liz Wilke