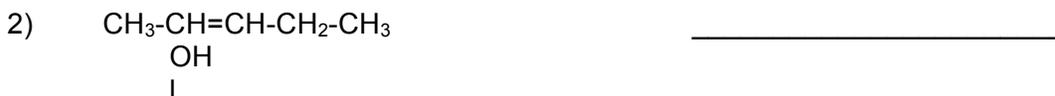
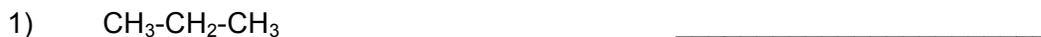


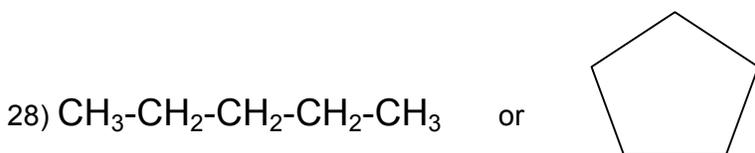
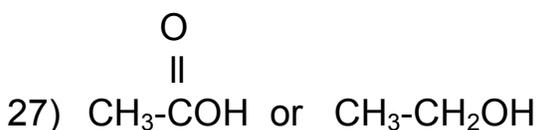
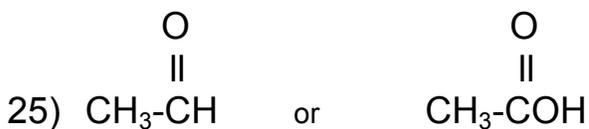
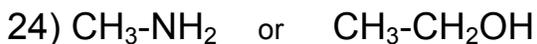
Instructor: Danielle Walker
Bio1100
Learning Unit 12 Lab/ Learning Activity
15 points

Name _____

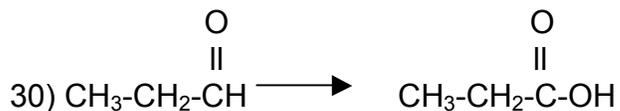
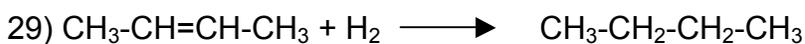
1-11) Identify the following molecules as an alkane, alkene, alkyne, alcohol, ether, thiol, aldehyde, ketone, carboxylic acid, ester, amine or amide. One term will not be used.



2 points each 24-28) Circle the molecule in each pair that has a higher boiling point.



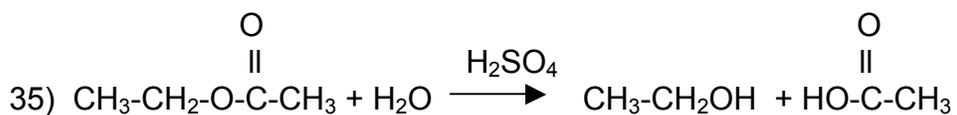
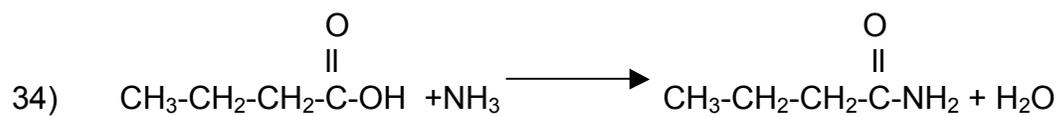
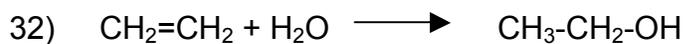
29-35) Identify the following reactions.



Each Reaction is used only once.

Hydrolysis
Acid/Base Reaction
Oxidation
Hydrogenation
Combustion
Hydration
Preparation of Amide/dehydration





36-38) Draw the following molecules. You may draw either expanded structural formulas or condensed structural formulas.

36) Phenol

37) butene

38) iodo-ethyl-octane

39-40) Draw an isomer of the following molecules:

39) $\text{CH}_3\text{-CH}_2\text{-CH}=\text{CH-CH}_3$

40) pentanal