

## Organic Lewis Structures 1

Name \_\_\_\_\_ p. \_\_\_\_\_

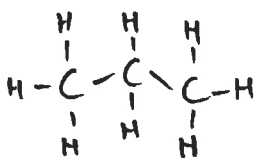
1) Draw the correct Lewis structure for each of these organic names:

- a) 2-butene      b) propanol      c) ethanal      d) butanone      e) methanoic (formic) acid

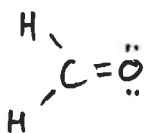
- f) methanol      g) pentane      h) propanal      i) ethyne      j) propanoic acid

2) Write the name for the following organic molecules:

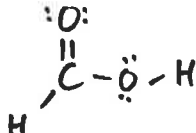
a)



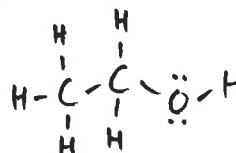
b)



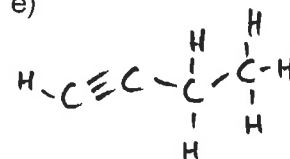
c)



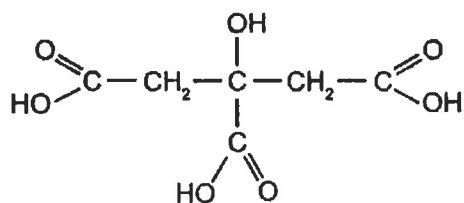
d)



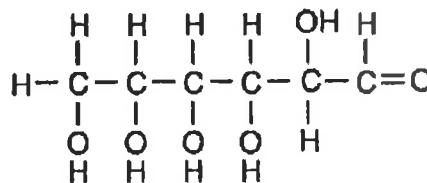
e)



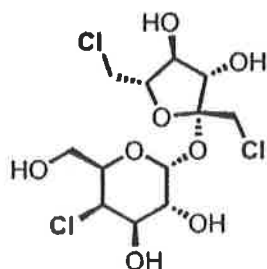
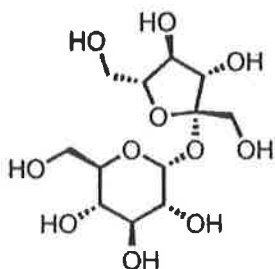
3) Below is the citric acid molecule. Circle the four functional groups and label each.



4) Below is the glucose (sugar) molecule. Circle the six functional groups and label each.



5) On the left is a sucrose (cane sugar) molecule and on the right is a sucralose (artificial sweetener 600x stronger) molecule. (a) What is the main difference between these molecules?



b) How many alcohol groups are in the sucrose molecule?