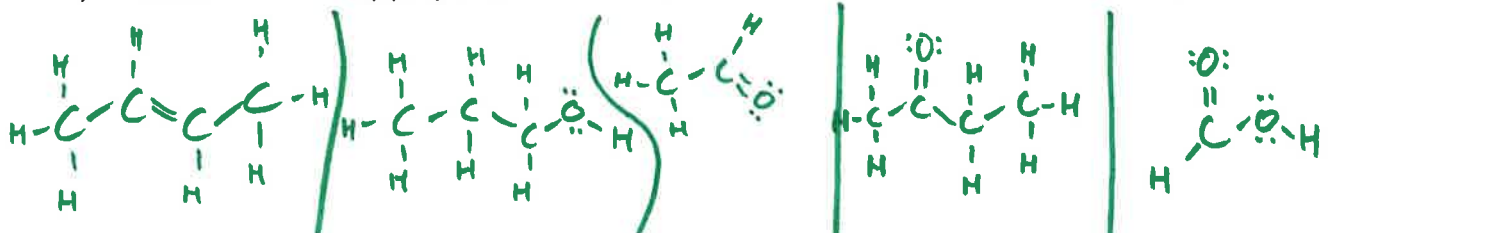


Organic Lewis Structures 1

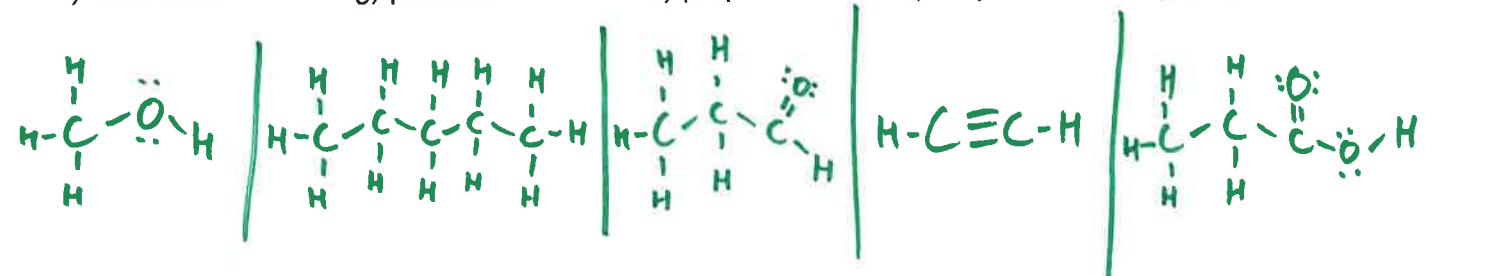
Name KEY p.

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



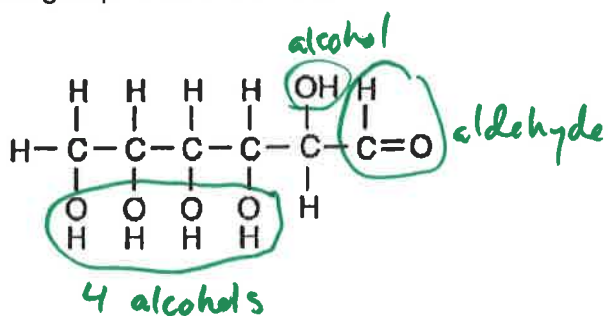
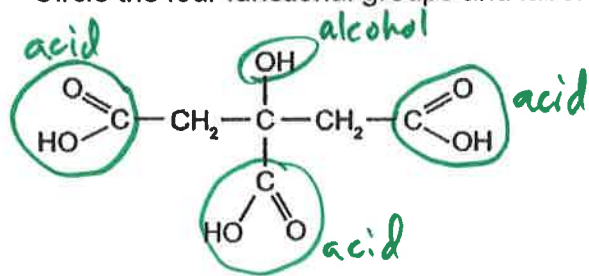
2) Write the name for the following organic molecules:

- a) b) c) d) e)

propane methanal methanoic acid ethanol 1-butyne

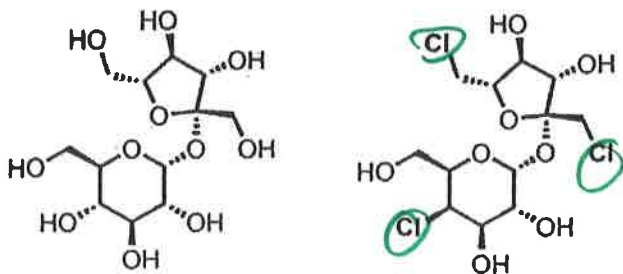
3) Below is the citric acid molecule. Circle the four functional groups and label each.

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?

3 chlorine atoms in sucralose, replacing 3 alcohols in sucrose



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

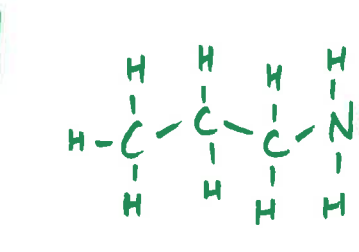
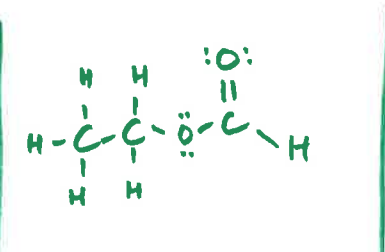
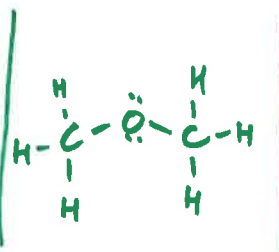
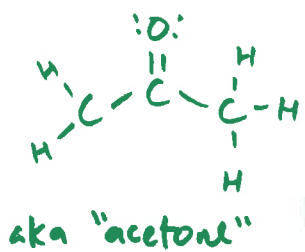
- 8

Organic Lewis Structures 2

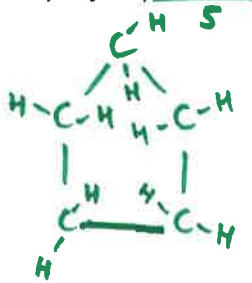
Name KEY p.

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

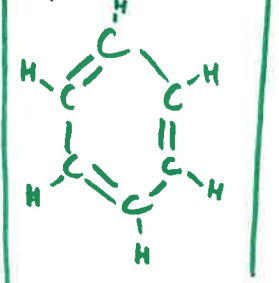
- a) propanone b) dimethyl ether c) ethyl methanoate d) propyl amine



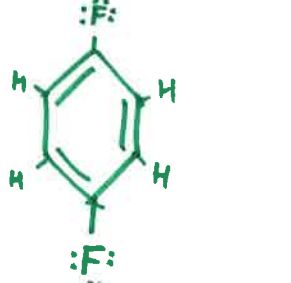
e) cyclopentane



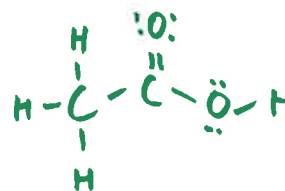
f) benzene



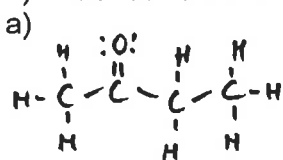
g) 1,4 difluoro-benzene



h) ethanoic acid (vinegar)



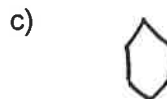
2) Write the correct names for these structures:



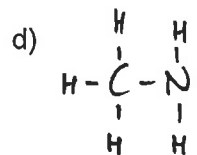
butanone



1,2 dichloro benzene

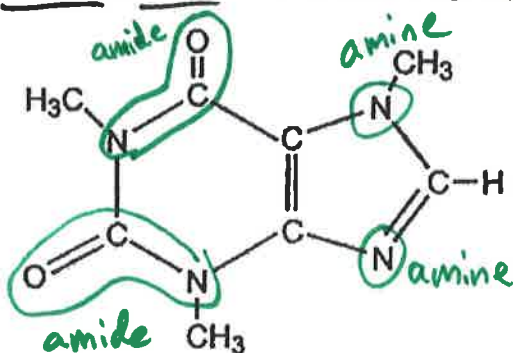


cyclohexane

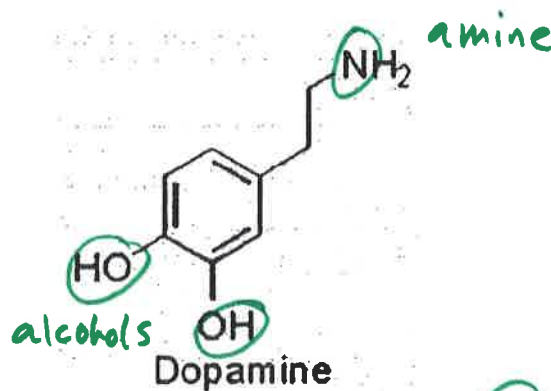


methyl amine

3) Circle and label all the functional groups on these molecules:



a) Caffeine



SEROTONIN & DOPAMINE



Technically, the only two things
you enjoy

