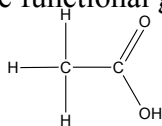


**FUNCTIONAL GROUP IDENTIFICATION WORKSHEET**

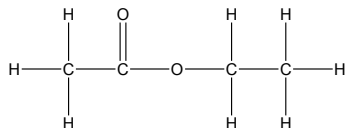
1. Identify the functional groups on the following organic molecules.

a.



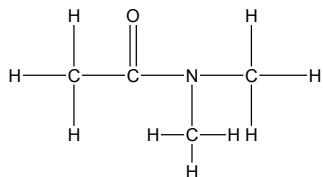
\_\_\_\_\_

b.



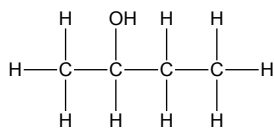
\_\_\_\_\_

c.



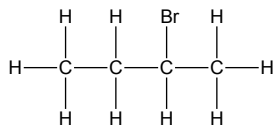
\_\_\_\_\_

d.



\_\_\_\_\_

e.



\_\_\_\_\_

2. Draw simple organic molecules that contain the following functional groups.

f. Cycloalkane

g. Amine

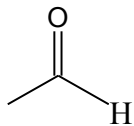
h. Ether

i. Ester

j. Aldehyde

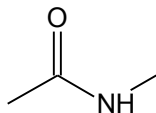
3. Identify the functional group in each of the following molecules.

a.



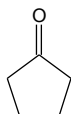
\_\_\_\_\_

b.



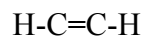
\_\_\_\_\_

c.



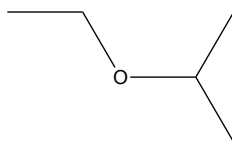
\_\_\_\_\_

d.



\_\_\_\_\_

e.



\_\_\_\_\_

f.



\_\_\_\_\_

4. Draw simple molecules that contain the following functional groups. And provide a useful compound for each class of functional group

a. Ether

b. Halogen

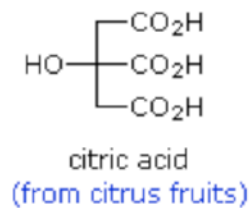
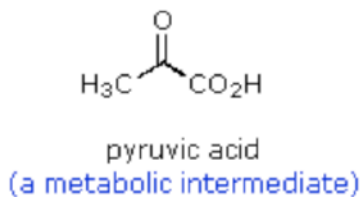
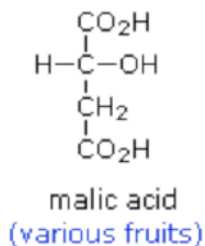
c. Amine

d. Aldehyde

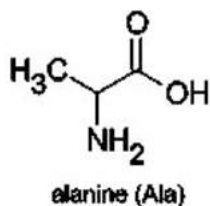
e. Alcohol

f. Alkene

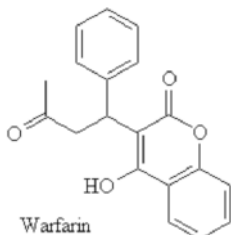
3. Circle and Label the functional groups in the following compounds  
a. edibles



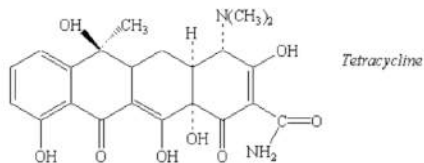
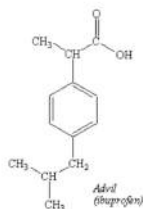
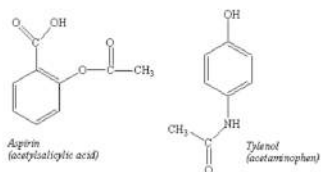
- b. amino acids which make up your protein and body. Circle the amide bonds only.



- c. rat poison (down with the rats!)



- d. Medicines



Last Worksheet of the Semester! It has been a pleasure teaching you. Hope you learned something useful in each class and will enjoy the chemistry of Life.

*BEST WISHES!*