

Group Learning Activity - Chapter 2

1. Draw line structures for two different compounds having the following characteristics.

a) ether with the formula $C_4H_{10}O$

b) aromatic ester with the formula $C_9H_{10}O_2$

c) alkene with the formula C_4H_8

d) saturated aldehyde with the formula $C_6H_{12}O$

e) ketone with the formula $C_5H_{10}O$

f) anhydride with the formula $C_6H_{10}O_3$

g) amine with the formula C_4H_9N

h) a nitrile and alcohol with the formula C_5H_9NO

i) aryl halide with the formula C_7H_7Br

j) an alkyne and acid chloride with the formula C_4H_3ClO

k) carboxylic acid and nitro group with the formula $C_4H_7NO_4$

l) an amide which cannot form hydrogen bonds with the formula $C_5H_{11}NO$

m) unsaturated amine with the formula C_4H_9N

n) a saturated alkyl halide with the formula C_5H_9I