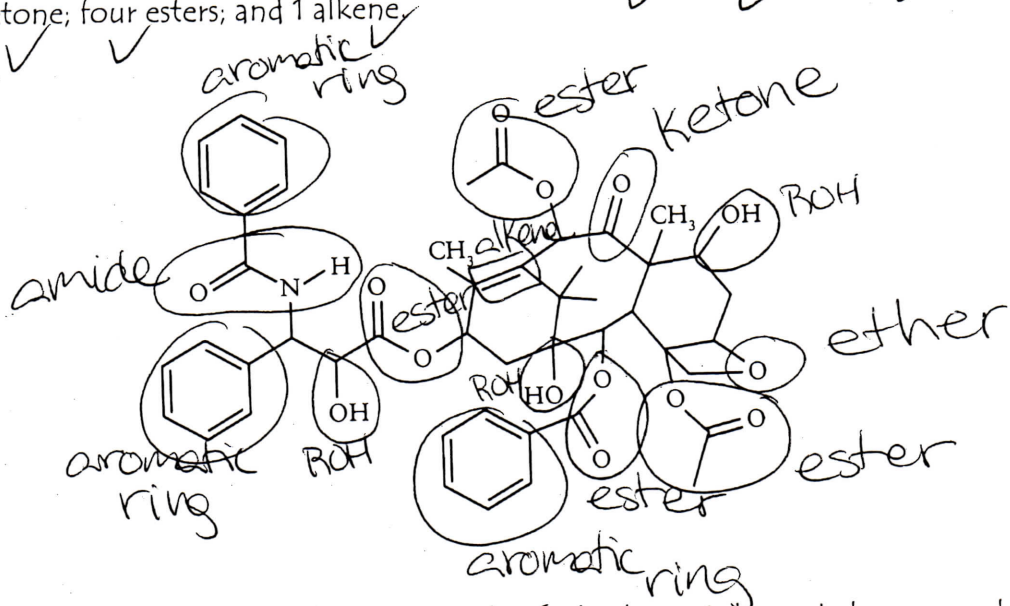


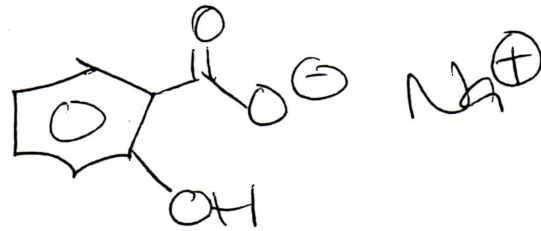
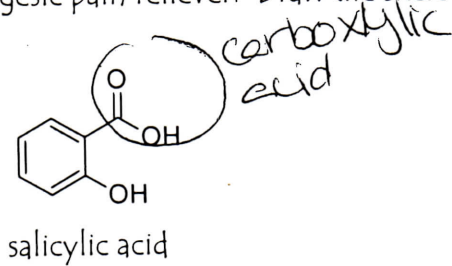
# Functional Grp: Phys Prop & Intro to Acid-Base

## Exercises

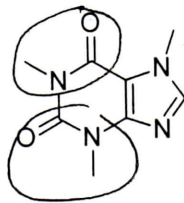
1. Taxol was first isolated from the yew tree. Taxol is used to treat some forms of cancer. Circle and label the functional groups in Taxol: 1 amide; 3 alcohols; 3 aromatic rings; 1 ether; 1 ketone; four esters; and 1 alkene.



2. In 1875, sodium salicylate, the sodium salt of salicylic acid shown below, was sold as an analgesic pain reliever. Draw the skeletal line structure for sodium salicylate.



3. Circle the two amide functional groups present in caffeine.



4. Do you expect butanoic acid or octanoic acid to be more soluble in water? Explain using skeletal line structures.

