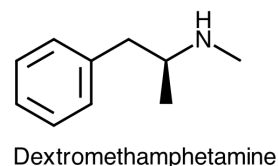
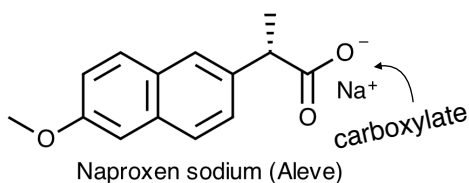
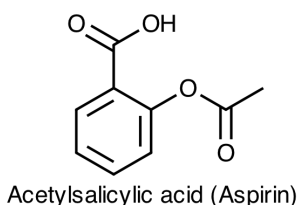
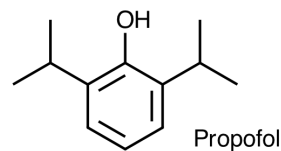
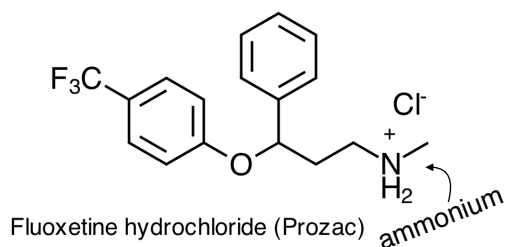
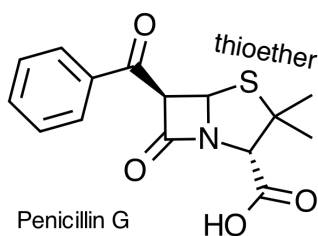
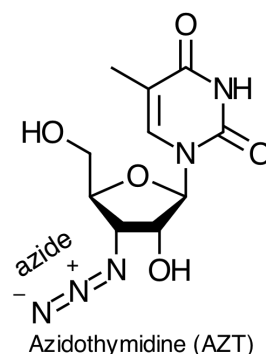
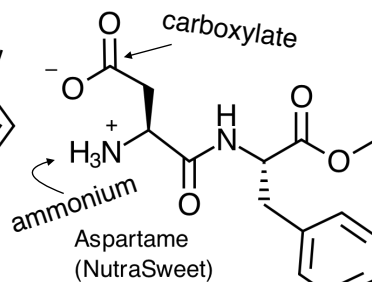
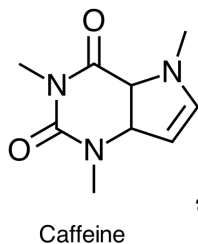
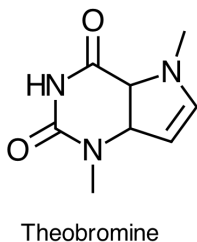
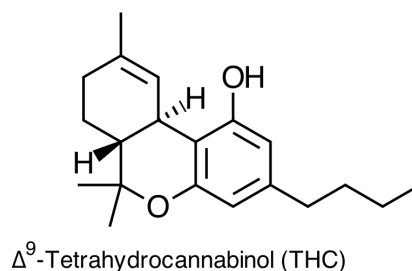
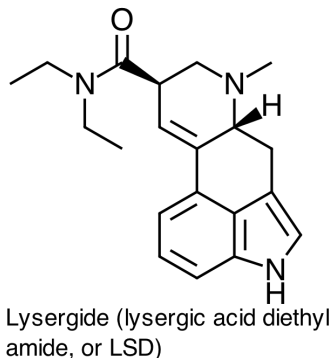
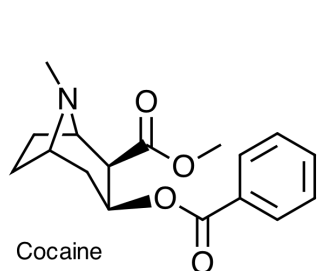
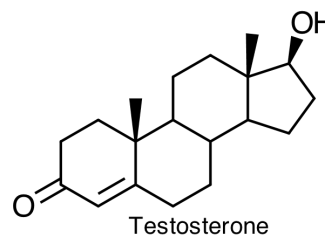
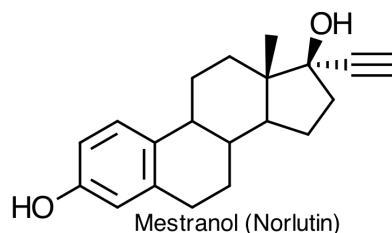
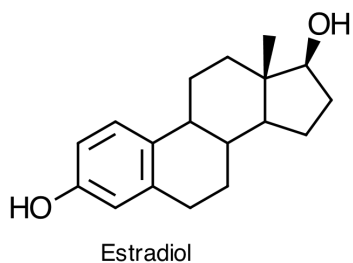


CHAPTER 3: ORGANIC COMPOUNDS AND ALKANES

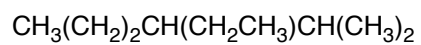
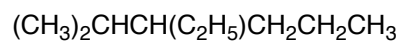
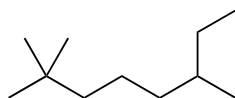
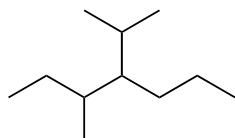
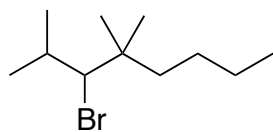
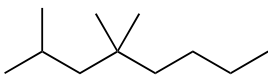
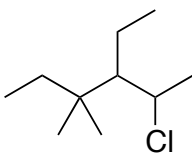
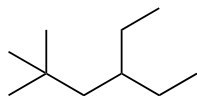
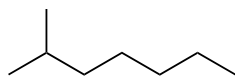
Functional Groups. From the group of functional groups that were presented in the videos, identify (circle) and name them:



Note there are no aldehydes here. Not because they are not important, but I didn't find easy examples of molecules containing aldehydes.

You should also be able to identify hybridization and geometry/angles around all atoms.

Alkane Nomenclature. Provide IUPAC names for the following molecules:



Draw the structure of the following *incorrectly named* molecules. Once drawn, provide the *correct* IUPAC name:

2,2-dimethyl-6-ethylheptane

4-ethyl-5,5-dimethylpentane

3-ethyl-4,4-dimethylhexane

5,5,6-trimethyloctane

2-isopropyl-4-methylheptane