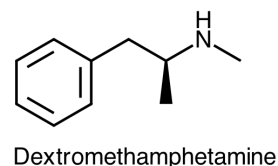
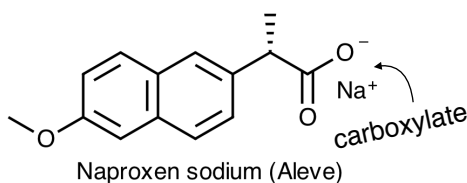
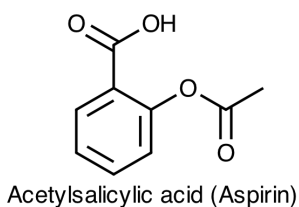
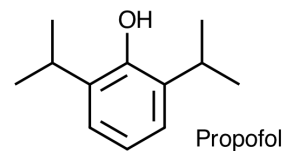
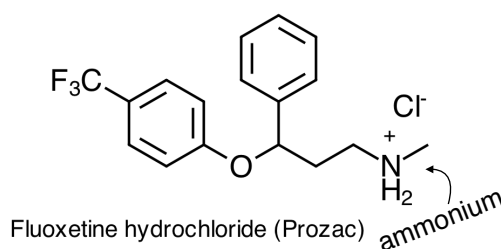
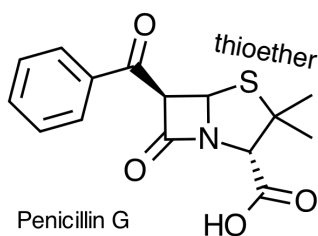
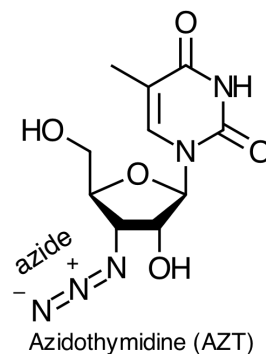
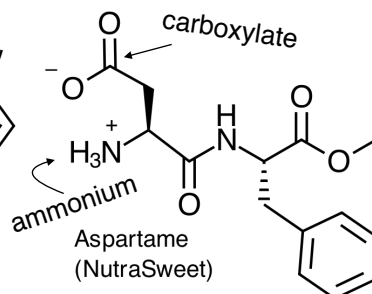
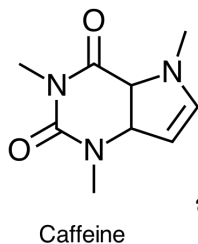
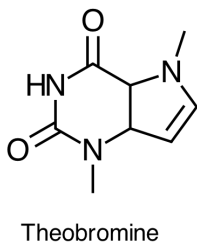
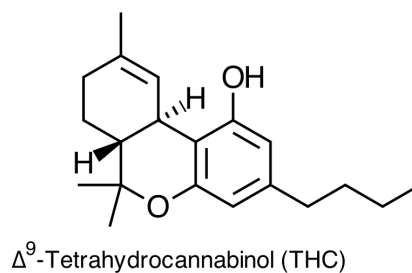
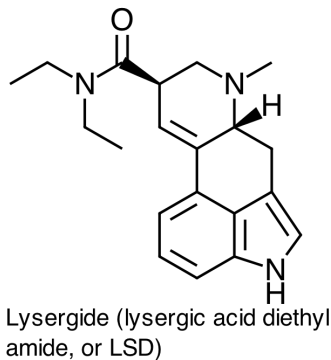
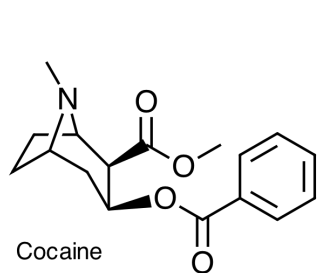
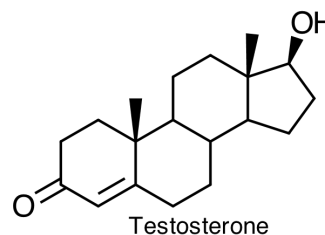
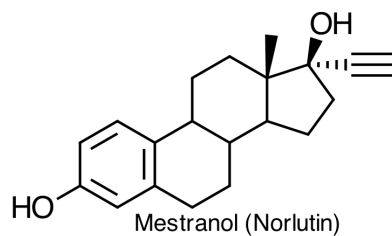
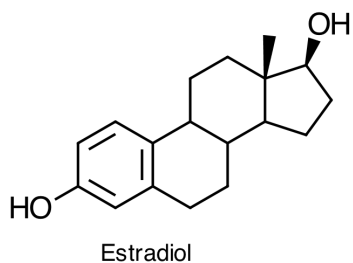


CHAPTER 3: ORGANIC COMPOUNDS AND ALKANES

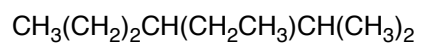
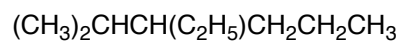
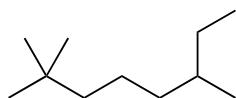
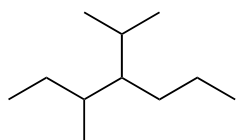
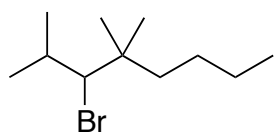
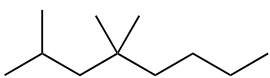
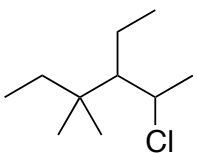
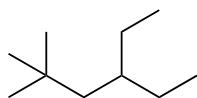
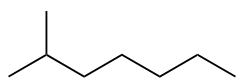
Functional Groups. From the group of functional groups that were presented in the videos, identify (circle) and name them:



Note there are no aldehydes here. Not because they are not important, but they are not commonly found in bioactive molecules.

You should also be able to identify hybridization and geometry/angles around each of these 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