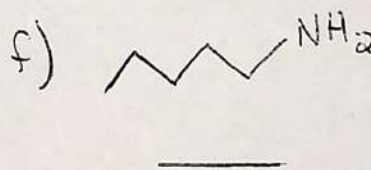
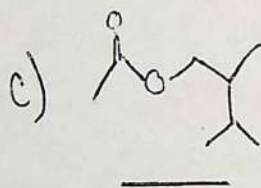
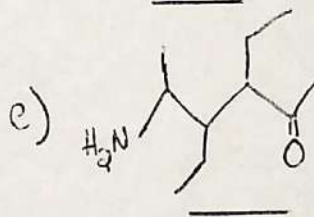
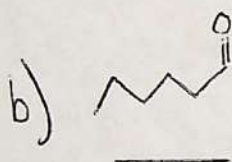
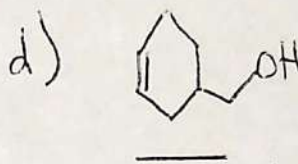
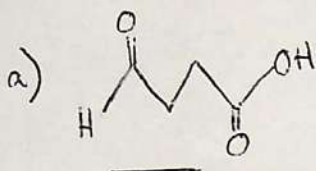


Name: _____ Date: _____ Pd: _____

Nomenclature Practice WS #1:

Stereoisomerism	Substituents	Parent Chain	Unsaturation	Functional Group
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1. For the following molecules, first circle, then label the functional group(s) present. Place the name that would be used for the suffix of the molecule's name on the line below the molecule (*even if there is no functional group, there is still a suffix you would use*).



2. For **single** bonds use : _____ For **double** bonds use: _____ For **triple** bonds use: _____

3. The prefixes for multiple double and triple bonds are as follows:

a. 2 = _____

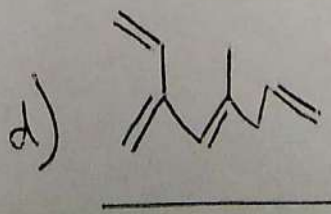
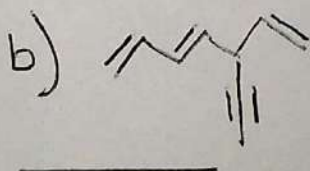
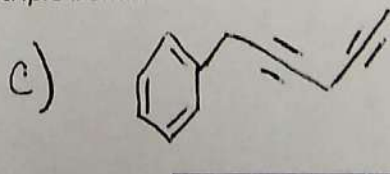
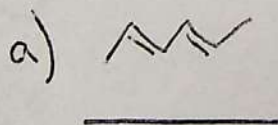
d. 5 = _____

b. 3 = _____

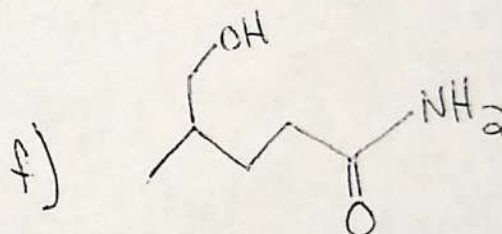
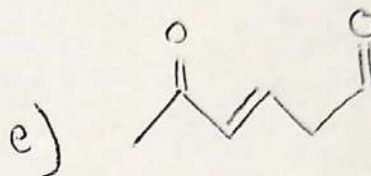
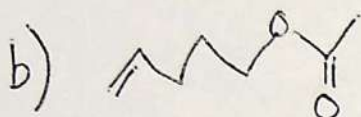
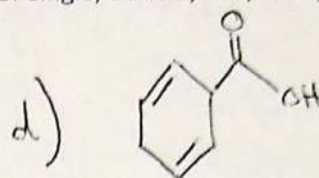
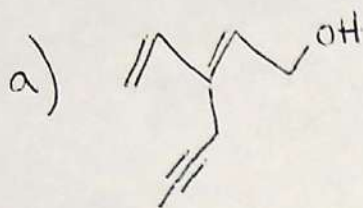
e. 6 = _____

c. 4 = _____

4. For the following molecules, write the name for the level of unsaturation. *Make sure to include prefixes for multiple numbers of double and triple bonds.*



5. Label the functional group(s) in each molecule. Place the correct suffix for the functional group on the right line. Place the correct level of unsaturation for single, double, and/or triple bonds on the left line.



6. Draw a bond-line drawing for a molecule that contains the following functional group(s) and bond types. ~~Be~~ be creative!

a) dienal

c) tetraen diyn ol

b) an oic acid

d) triyn oate