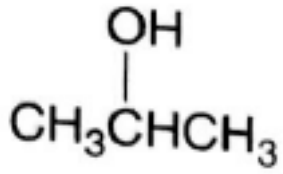
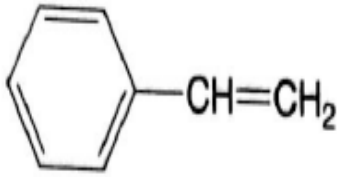
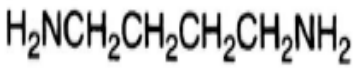
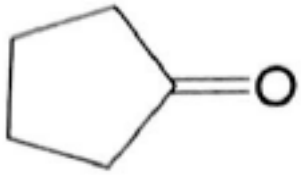
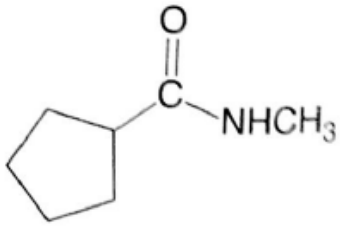
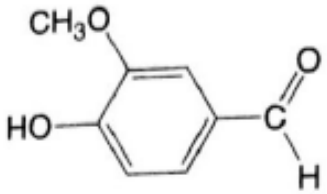
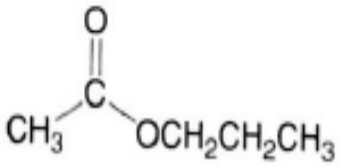
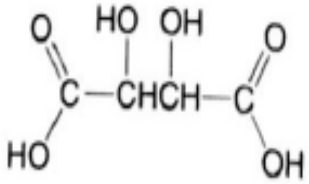
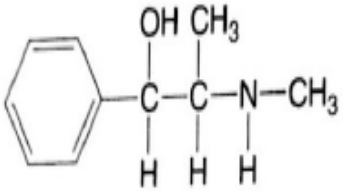
Name: _____

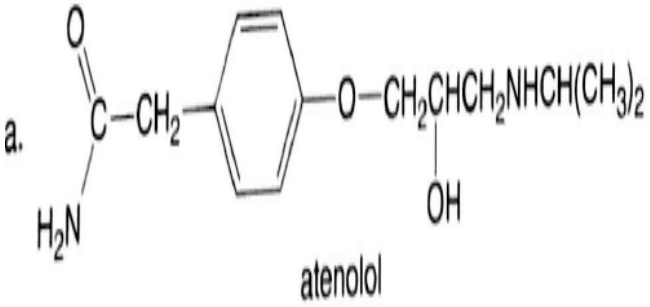
# Chemistry 4 Worksheet: Functional Groups

1. Circle and name the functional groups in each compound. Some compounds contain more than one functional group.

| | | |
|---|---|---|
|  |  |  |
|  |  |  |
|  |  |  |

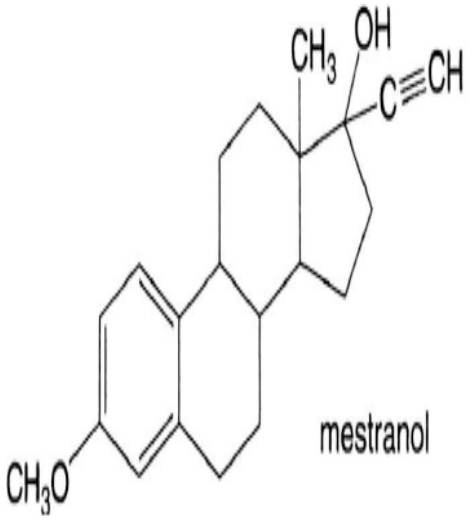
2. Identify all the functional groups in each drug. Atenolol is an antihypertensive agent; that is, it is used to treat high blood pressure. Mestranol is a synthetic estrogen used in oral contraceptives.

a.



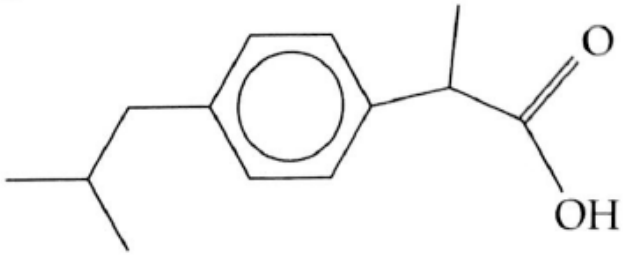

atenolol

b.




mestranol

3. The following is the structure of the pain reliever ibuprofen, found in Advil. Circle and label the functional groups of the ibuprofen molecule.




Ibuprofen

4. The following structure is the artificial sweetener aspartame, found in Equal. Circle and name the functional groups found in this molecule.