**Organic Chemistry Applied Practice**

1. What is the general formula for a noncyclic alkane? C?H?
2. If a noncyclic alkane contains 13 Carbon atoms how many hydrogens does it contain?
3. Draw the structure of the following types of hydrocarbons using four carbon atoms.
4. Two noncyclic alkanes.
5. Two cyclic alkanes
6. Give the molecular formula and structure for 4-ethyl-2,3-dimethylheptane

Molecular Formula:

Structure:

1. Give the molecular formula and structure for 3,3-diethyloctane

Molecular Formula:

Structure:

1. Give the molecular formula and structure for 4-propylheptane

Molecular Formula:

Structure:

1. Give the molecular formula and structure for 3,3-diethyl-2,4-dimethylhexane

Molecular Formula:

Structure:

1. Give the molecular formula and structure for 1,3-dimethyl-2-ethyl-4propylcyclohexane

Molecular Formula:

Structure:

1. Name the following molecule.



1. Name the following molecule.



1. Name the following molecule.



1. Name the following molecule.



1. What does it mean for a molecule to be aromatic?
2. Circle the aromatic rings below.