**Exercise # 5A: IUPAC vs Common Names**

**Organic Chem I Alfred State College**

(see also: Supplement #4: **Common Names in Organic Chemistry Nomenclature** )

Provide the common & IUPAC names for compounds I-IV below:

 **I II III**



 IUPAC

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 COMMON

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**IV V**



 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Provide IUPAC AND COMMON Names for compounds V-VIII below

**VI VII**







 V **VII VIII**

**Exercise # 5B: Naming Cycloalkanes C­nH2n Paraffin Rings\***

**Organic Chem I Alfred State College**

Use IUPAC rules to name these cycloalkanes















**\*not to be confused with aromatic rings : ex. BENZENE, C6H6**



 **CYCLOHEXANE, C6H12**