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

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(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\***

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Use IUPAC rules to name these cycloalkanes















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



**CYCLOHEXANE, C6H12**