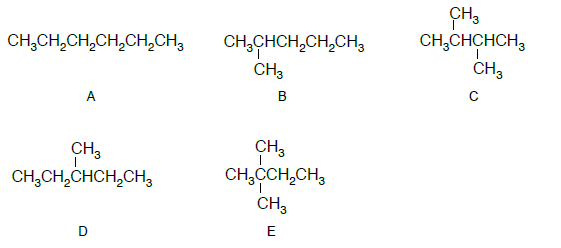
**Nomenclature – Hydrocarbons and Haloalkanes (alkyl halides)**

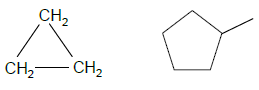
# 1. **Alkanes**

1. Draw the structures for the following compounds:
   1. 2-methylpropane
   2. 2,3-dimethylpentane
   3. 3-ethyl-2,4-dimethylhexane
2. Name the following compounds, all of which have the molecular formula C6H14:

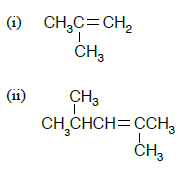


## 2. Cycloalkanes

1. Draw the structures for the following compounds:
   1. cyclobutane
   2. cyclopentane
   3. 1,3-dimethylcyclohexane
2. Name these compounds:



## 3. Alkenes and Alkynes

1. Draw the structures for the following compounds:
   1. but-2-ene
   2. 2,3-dimethylbut-2-ene
   3. 3-ethyl-4-methylpent-1-yne
2. What is incorrect with the name 2-methylbut-2-yne?
3. Name these compounds:

**4. Compounds containing halogens**

1. Draw the structures for the following compounds:
   1. tetrachloromethane
   2. 1,1-dichloroethene
   3. 1,2-dibromo-2-methylbutane
   4. 1,2-dibromocyclohexane
2. Name these compounds:

