**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:

