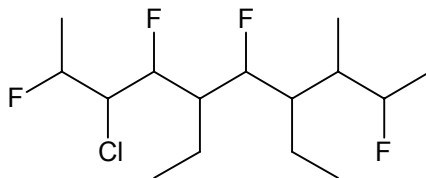
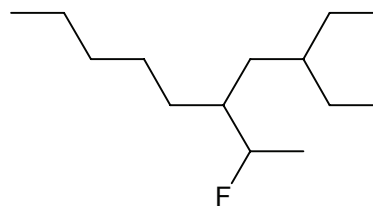
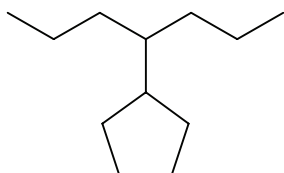
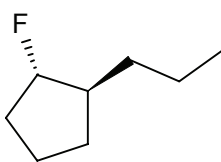
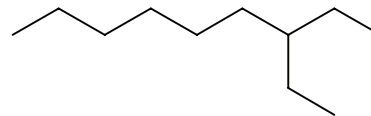
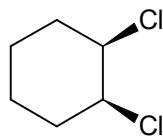
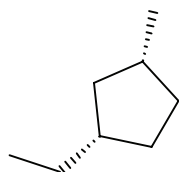
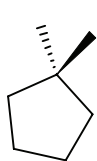


Name: _____

Alkane Nomenclature Worksheet II

Please provide the IUPAC name for the following structures (number and write names below in the open space).



Please provide the line structures for the following compounds.

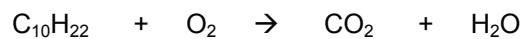
cis-1,3-difluorocyclohexane

4,6-dimethyldecane

1,1,2,2,3,3-hexachlorocyclopropane (what other name can you use for this compound?)

3-(trifluoromethyl)heptane

- 1) Balance the following equation – how much water is produced when 80 grams of decane reacts in an excess of oxygen?



- 2) Provide a mechanism for the reaction of methane and chlorine gas (light provide).