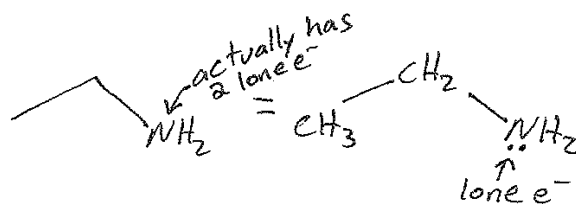
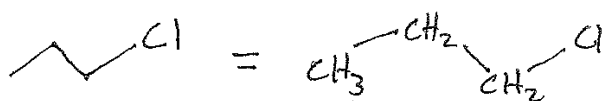
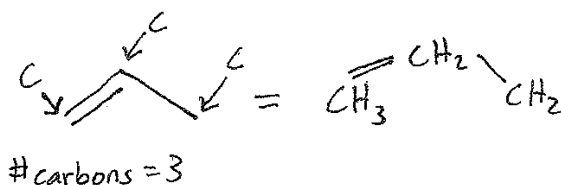
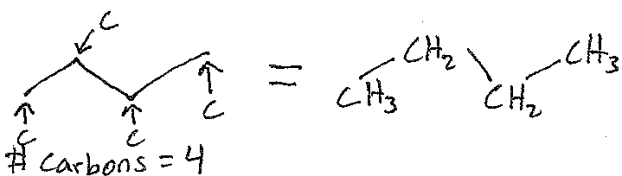


Line-Angle/Skeletal Structures

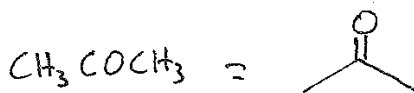
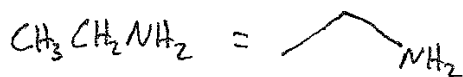
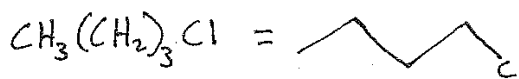
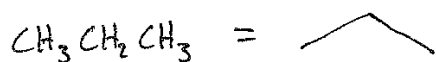
- each vertice is a Carbon
- hydrogens are not shown

- shows non-C/H atoms
- may not show lone ~~and~~ e⁻



Condensed Structures

- Bonded units written horizontally



Cycloalkanes

- (cyclo) prefix followed by name for # of C

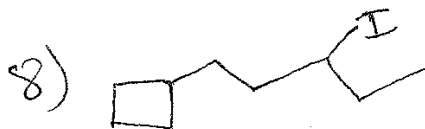
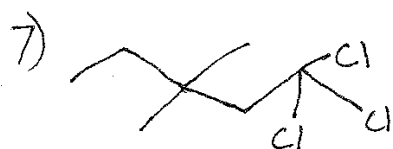
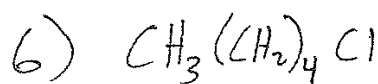
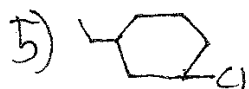


Naming Alkanes

- prefixes for varying # of Cs

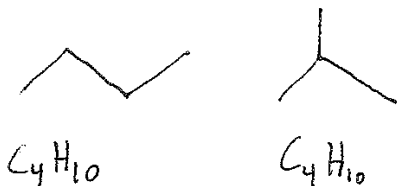
- 1)
- 2)
- 3)
- 4)
- 5)

Name the following compounds:



Constitutional Isomers

- Same molecular formulas
- Different arrangement of atoms

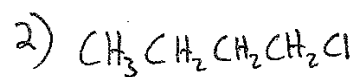
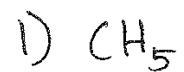


1) Create longest possible alkane chain

2) Break off one carbon at a time to form new isomers
- add carbon at different spots

3) Check to ensure the two structures are not identical

Draw all isomers and name them for the following!



3) hexane

