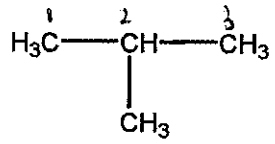
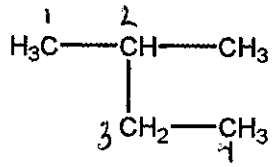
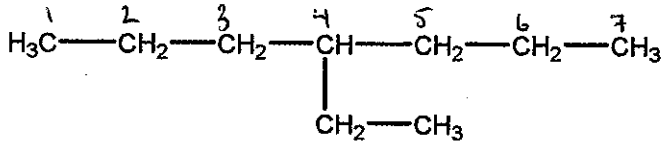
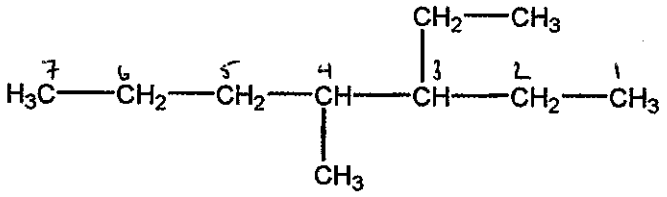
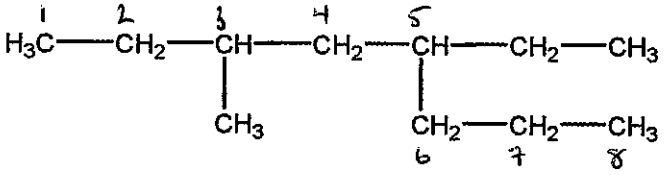
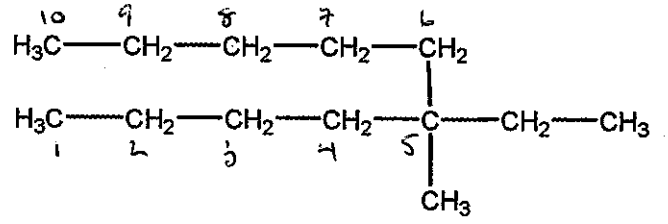
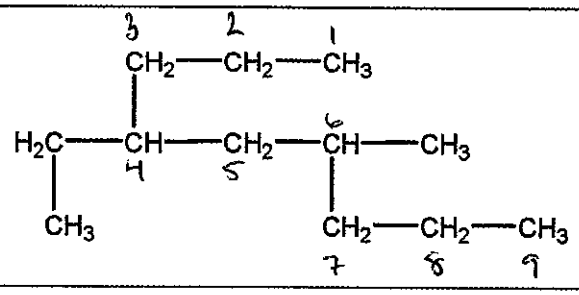
Name Key Period _____

Naming Alkanes – Worksheet #1

Name the following branched alkanes:

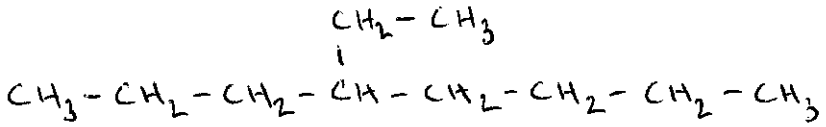
1.		2-methylpropane
2.		2-methylbutane
3.		4-ethylheptane
4.		3-ethyl-4-methylheptane
5.		5-ethyl-3-methyloctane
6.		5-ethyl-5-methyldecane
7.		4-ethyl-6-methylnonane

(over)

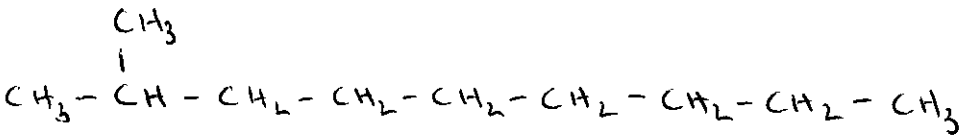
Draw structural formulas for the following molecules. Remember the following:

- Carbons on the end of a chain are attached to three hydrogens
- Carbons in the middle of a chain are attached to two hydrogens
- Carbons that have one branch attached are also attached to one hydrogen
- Carbons that have two branches attached are not attached to any hydrogens.

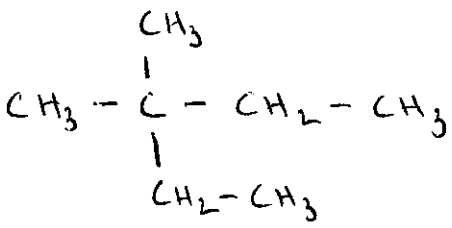
8. 4-ethyl-octane



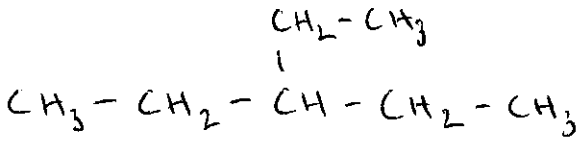
9. 2-methyl-nonane



10. 2-methyl-2-ethyl-butane proper name: 3,3-dimethylpentane



11. 3-ethyl-pentane



12. 2-methyl-3-ethyl-heptane proper name: 3-ethyl-2-methylheptane