

Name _____

Period _____

Naming Alkanes – Worksheet #2**Name the following branched alkanes:**KEY

1.		5-propyl-3-methyl octane
2.		3,3,5-trimethyl heptane
3.		2,2-dimethyl butane
4.		2,2-dimethyl propane
5.		3,3-diethyl pentane

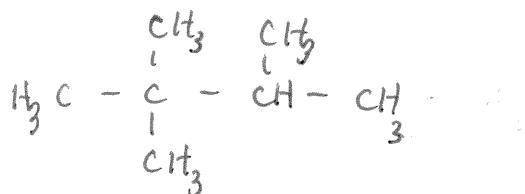
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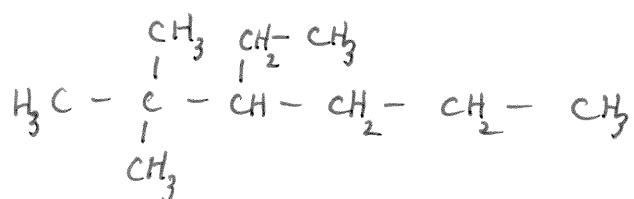
6.	$ \begin{array}{ccccccc} & & & \text{CH}_3 & & & \\ & & & & & & \\ & & & \text{C} & & & \\ & & & & & & \\ & \text{H}_3\text{C} & - \text{CH}_2 & - & \text{CH}_2 & - \text{CH}_3 & \\ & & & & & & \\ & & & \text{CH}_2 & - \text{CH}_3 & & \end{array} $	3-ethyl-3-methylpentane
7.	$ \begin{array}{ccccccccc} & & \text{CH}_3 & & \text{CH}_3 & & & & \\ & & & & & & & & \\ & \text{H}_3\text{C} & - \text{CH} & - & \text{CH} & - & \text{CH} & - & \text{CH}_2 - \text{CH}_3 \\ & & & & & & & & \\ & \text{CH}_3 & & \text{CH}_3 & & \text{CH}_3 & & & \end{array} $	2,3,4,5,6-pentamethyloctane

Draw structural formulas for the following molecules:

8. 2,2,3-trimethyl-butane



9. 3-ethyl-2,2-dimethyl-hexane



10. 2,3,4,5,6,7-hexamethyl-octane

