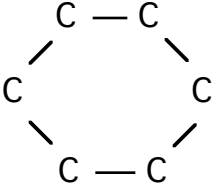
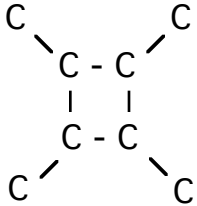
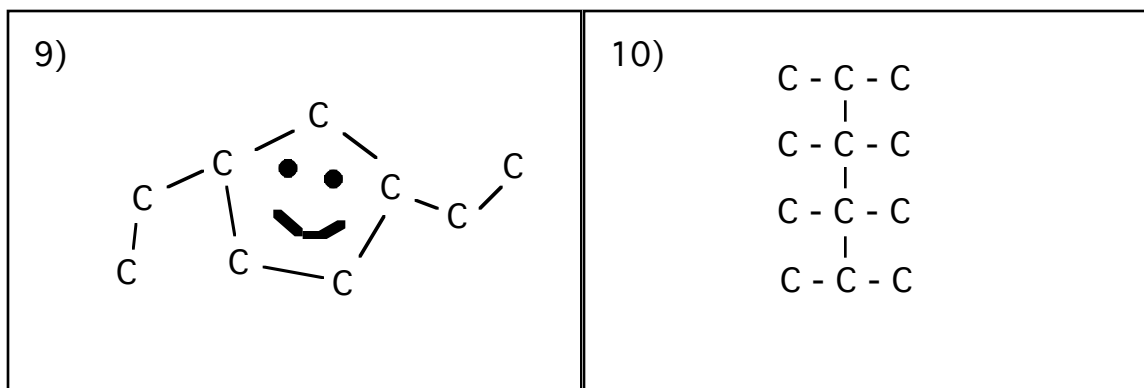


# Naming Alkanes 1

Name the following alkanes.

1)  $\text{C} - \text{C} - \text{C} - \text{C} - \text{C} - \text{C} - \text{C}$	2) $\begin{array}{c} \text{C} - \text{C} \\   \\ \text{C} - \text{C} - \text{C} \\   \\ \text{C} \\   \\ \text{C} \end{array}$
3) $\begin{array}{cccc} \text{C} & - & \text{C} & - & \text{C} & - & \text{C} \\ & &   & &   & &   \\ & & \text{C} & & \text{C} & & \text{C} \\ & & & &   & &   \\ & & & & \text{C} & - & \text{C} \end{array}$	4) 
5) 	6) $\begin{array}{cccc} \text{C} & - & \text{C} & - & \text{C} & - & \text{C} \\ & &   & &   & & \\ & & \text{C} & & \text{C} & & \end{array}$
7) $\begin{array}{cccccc} \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} \\ & &   & & & &   & & \\ & & \text{C} & & & & \text{C} & & \end{array}$	8) $\begin{array}{cccc} \text{C} & - & \text{C} & - & \text{C} \\ & &   & &   \\ & & \text{C} & & \text{C} - \text{C} \\ & & & &   \\ & & & & \text{C} - \text{C} - \text{C} \\ & & & &   \\ & & & & \text{C} \end{array}$



Answers: 1) heptane, 2) ethyl-pentane, 3) 3-methyl-octane, 4) cyclo-hexane,  
 5) tetra-methyl-cyclo-butane, 6) dimethyl-pentane, 7) 2,4 dimethyl-pentane,  
 8) 2,4,6 tri-methyl-heptane, 9) 1,3 di-ethyl-cyclo-pentane,  
 10) 2,3,3,4,4,5 penta-methyl-hexane.