Draw the following alkanes Full and Condensed Structure.

Propane:

Butane:

Octane:

Methane:

Name the following alkanes.

$$CH_3 - CH_2 - CH_3$$

$$H \longrightarrow \begin{matrix} H & & H \\ & & \\ C & \longrightarrow C \end{matrix} \longrightarrow H$$

 CH_4

$$CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$$

Draw the following Ethyl Condensed Structure.

3 - methylpentane

2 – ethylbutane

2,3 dimethylbutane

2,3,4 - trimethylheptane

2,- Methyl - 3 ethylhexane

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Name the following Alkyls.

$$CH_3-CH-CH_3\\ |\\ CH_3$$

$$CH_3 \\ | \\ CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$$

$$CH_2-CH_2-CH_3\\ |\\ CH_3-CH_2-CH_2-CH_2-CH_2-CH_2-CH_3\\ |\\ CH_2-CH_3$$

$$CH_3 \\ | \\ CH_3 - CH_2 - CH_2 - CH_3 \\ | \\ CH_3$$

$$CH_{3} \\ | \\ CH_{3} - CH_{2} - CH_{2} - CH_{3} \\ | \\ CH_{2} - CH_{2} - CH_{3}$$

$$CH_{2}-CH_{3}\\ |\\ CH_{3}-CH_{2}-CH_{2}-CH_{2}-CH_{3}\\ |\\ |\\ CH_{3}-CH_{3}$$