Newman Projections 1

1) Name the compound below, ignoring stereochemistry. Draw the 3 staggered and 3 eclipsed conformers for the following compound. Start with the Newman projection for the conformer depicted in the bond-line formula. Then, rotate the front carbon 60° to the right for each subsequent conformer. Draw a Conformer-Energy diagram (as shown in class for butane and other examples).

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\[\text{Bond-line formula}\]
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2) Name the compound below, ignoring stereochemistry. Draw the MOST stable and the LEAST stable conformers for the following compound as Newman projections:

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\[\text{Bond-line formula}\]
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3) Draw the following compounds as bond-line formulas. Use dashes and wedges to show the proper orientation of groups in space. Name the compounds, ignoring stereochemistry.

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\[\text{Bond-line formula 1}\]
\[\text{Bond-line formula 2}\]
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