

Alkanes: Homologous Series

1. What is crude oil?

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2. What are hydrocarbons?

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3. What are the first five alkanes?

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4. What is the formula of methane?

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5. What is the formula of ethane?

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6. What is the formula of propane?

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7. What is the formula of butane?

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8. What is the formula of cyclohexane?

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9. What is homologous series?

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10. Why are CH_4 , C_9H_{20} , and $\text{C}_{16}\text{H}_{34}$ part of the same homologous series?

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11. Why are ethane and propane part of the same homologous series?

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