

How to Name Alkanes

1. What is crude oil?

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2. What is a hydrocarbon?

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3. What are alkanes?

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4. What are the name of the first four alkanes?

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5. What is the formula of methane?

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6. What is the formula of ethane?

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7. What is the formula of propane?

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8. What is the formula of butane?

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9. What is the formula of cyclohexane?

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10. Which suffix do alkanes always have?

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11. Name the hydrocarbon in the space below:

<p>a)</p> $ \begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}-\text{H} \\ \\ \text{H} \end{array} $	<p>b)</p> $ \begin{array}{ccccccc} & \text{H} & & \text{H} & & \text{H} & \\ & & & & & & \\ \text{H} & -\text{C} & - & \text{C} & - & \text{C} & -\text{H} \\ & & & & & & \\ & \text{H} & & \text{H} & & \text{H} & \end{array} $
<p>c)</p> $ \begin{array}{cccccccc} & \text{H} & & \text{H} & & \text{H} & & \text{H} & \\ & & & & & & & & \\ \text{H} & -\text{C} & - & \text{C} & - & \text{C} & - & \text{C} & -\text{H} \\ & & & & & & & & \\ & \text{H} & & \text{H} & & \text{H} & & \text{H} & \end{array} $	<p>d)</p> $ \begin{array}{ccccccc} & \text{H} & & & & \text{H} & \\ & & & & & & \\ \text{H} & -\text{C} & - & & & \text{C} & -\text{H} \\ & & & & & & \\ & \text{H} & & & & \text{H} & \end{array} $