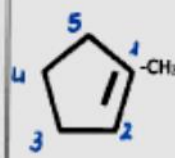


## HIDROKARBURUAK/ DERIBATU HALOGENATUAK

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|--|---|
| $  \begin{array}{cccccc}  1 & 2 & 3 & 4 & 5 \\  \text{CH}_3 & -\text{CH} & -\text{CH} & -\text{CH}_2 & -\text{CH}_3 \\    &   \\  \text{CH}_3 & \text{CH}_3 & & &   \end{array}  $ <p style="text-align: center;">2,3-dimetilpentana</p>   | <p style="text-align: right;">1-etil-3,5-dimetiljikhlohexana</p>    |
| $  \begin{array}{ccccccccc}  & \text{CH}_3 & & & & & & & \\  1 & 2 & 3 & 4 & 5 & & & & \\  \text{CH}_3 & -\text{C} & -\text{CH}_2 & -\text{CH} & -\text{CH} & -\text{CH}_3 \\    & &   &   &   \\  \text{CH}_3 & & \text{CH}_3 & \text{CH}_2 & -\text{CH}_3  \end{array}  $ <p style="text-align: center;">2,2,4,5-tetrametilheptana</p>   | <p style="text-align: right;">1,3-dimetiljikhlobutana</p>   |
| $  \begin{array}{ccccccccccc}  & & \text{CH}_3 & & & & & & & & \\  1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 \\  \text{CH}_3 & -\text{CH} & -\text{CH}_2 & -\text{CH} & -\text{CH}_2 & -\text{C} & -\text{CH}_2 & -\text{CH}_2 & -\text{CH}_3 \\    & &   & &   &   & & & \\  \text{CH}_3 & & \text{CH}_2 & -\text{CH}_3 & \text{CH}_3 & & & &   \end{array}  $ <p style="text-align: center;">4-etil-2,2,6-trimetilnonana</p> | <p style="text-align: right;">1-metiljikhlopentena</p>   |
| $  \begin{array}{cccc}  & \text{CH}_3 & & \\  4 & 3 & 2 & 1 \\  \text{CH}_3 & -\text{CH}_2 & -\text{C} & -\text{CH}_3 \\    \\  \text{CH}_3  \end{array}  $ <p style="text-align: center;">2,2-dimetilbutana</p>   | $  \begin{array}{cccc}  1 & 2 & 3 & 4 \\  \text{CH} & =\text{CH} & -\text{CH}_2 & -\text{CH}_3 \\    \\  \triangle  \end{array}  $ <p style="text-align: center;">1-zikhlopropilbut-1-ena</p>   |
| <p style="text-align: center;">2,2-dimetilpentana</p> $  \begin{array}{ccccccc}  & & \text{CH}_3 & & & & \\  1 & 2 & 3 & 4 & 5 \\  \text{CH}_3 & -\text{C} & -\text{CH}_2 & -\text{CH}_2 & -\text{CH}_3 \\    &   \\  \text{CH}_3 & \text{CH}_3  \end{array}  $  | <p style="text-align: right;">Zikhlohexa-1,3-diena</p>   |
| <p style="text-align: center;">3-etil-2-isopropilhexana</p> $  \begin{array}{ccccccc}  1 & 2 & 3 & 4 & 5 & 6 \\  \text{CH}_3 & -\text{CH} & -\text{CH} & -\text{CH}_2 & -\text{CH}_2 & -\text{CH}_3 \\    &   &   \\  \text{CH}_3 & -\text{CH} & -\text{CH}_2 & \text{CH}_3 & &   \end{array}  $   | $  \begin{array}{ccccccc}  6 & 5 & 4 & 3 & 2 & 1 \\  \text{CH} & \equiv \text{C} & -\text{CH} & =\text{CH} & -\text{C} & =\text{CH}_2 \\  & & & &   \\  & & & & \text{CH}_3  \end{array}  $ <p style="text-align: center;">2-metilhexa-1,3-dien-5-ina</p>                       |
| <p style="text-align: center;">3,4-dietil-2,2,5,6-tetrametilkotana</p> $  \begin{array}{cccccccc}  1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\  \text{CH}_3 & -\text{C} & -\text{CH} & -\text{CH} & -\text{CH} & -\text{CH} & -\text{CH}_2 & -\text{CH}_3 \\    &   &   &   &   &   & & \\  \text{CH}_3 & \text{CH}_2 & -\text{CH}_3 & \text{CH}_3 & \text{CH}_3 & & &   \end{array}  $   | <p style="text-align: right;">1-metiljikhlopentena</p>   |
| <p style="text-align: center;">3-terk-butiepenta-1,4-diena</p> $  \begin{array}{cccc}  & \text{CH}_3 & & \\  3 & 2 & 1 & \\  \text{CH}_3 & -\text{C} & -\text{CH} & -\text{CH} & =\text{CH}_2 \\    &   &   &   \\  \text{CH}_3 & \text{CH} & =\text{CH}_2 &   \end{array}  $ <p style="text-align: center;">• Berdin → eda ←<br/>kontakta</p>   | $  \begin{array}{ccccccc}  6 & 5 & 4 & 3 & 2 & 1 \\  \text{CH}_3 & -\text{CH} & -\text{CH}_2 & -\text{C} & =\text{CH} & -\text{CH}_3 \\    & & &   \\  \text{Cyclopentane} & & & \text{CH}_3  \end{array}  $ <p style="text-align: center;">3-metil-5-jikhlopentilhex-2-ena</p> |
| $  \begin{array}{cccc}  3 & 4 & 5 \\  \text{CH}_3 & -\text{CH}_2 & -\text{CH} & -\text{CH}_2 & -\text{CH}_3 \\    \\  \text{CH} & =\text{CH}_2  \end{array}  $ <p style="text-align: center;">3-etilpent-1-ena</p>   | $  \begin{array}{ccc}  1 & 2 & 3 \\  \text{CH}_3 & -\text{CHCl} & -\text{CH}_3  \end{array}  $ <p style="text-align: center;">2-kloropropana</p>  |

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|---|--|
| $\text{CH}_2=\text{CH}-\text{CH}(\text{CH}_3)-\text{CH}(\text{C}_2\text{H}_5)_2$ $\text{CH}_2=\text{CH}-\underset{\text{CH}_3}{\text{CH}}-\overset{\text{C}_2\text{H}_5}{\text{CH}}-\text{C}_2\text{H}_5$ | $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{C}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$  |
| <p>4-etil-3-metilhex-1-enoa</p>   | <p>2-kloro-2-metilpropanoa</p>   |
| $\text{CH}_3-\text{C}\equiv\text{C}-\text{CH}=\text{CH}_2$ $\text{Pent-1-en-3-inoa} \rightarrow \text{trikienak}$   | $\text{CH}_3-\text{CH}=\text{CHCl}$ <p>1-kloroprop-1-enoa</p>  |
| $\text{CH}\equiv\text{C}-(\text{CH}_2)_3-\text{CH}_3$ <p>Hex-1-inoa</p>   | <p>Tribromometanoa</p> $\text{HCBr}_3 \leftrightarrow \begin{array}{c} \text{Br} \\   \\ \text{C}-\text{Br} \\   \\ \text{Br} \end{array}$           |
| <p>2,3-dimetilbut-2-enoa</p> $\text{CH}_3-\overset{\text{CH}_3}{\text{C}}=\overset{\text{CH}_3}{\text{C}}-\text{CH}_3$  | <p>5-kloro-5-metilhex-1-inoa</p> $\text{CH}\equiv\text{C}-\text{CH}_2-\text{CH}_2-\overset{\text{CH}_3}{\underset{\text{Cl}}{\text{C}}}-\text{CH}_3$ |

