

Name the following hydrocarbon:

$\begin{array}{c} \text{CH}_3\text{CHCH}=\text{CH}_2 \\ \\ \text{CH}_3 \end{array}$	<p>3-methyl-1-butene</p>
$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3\text{CH}_2\text{CH}-\text{CH}=\text{CH}-\text{CH} \begin{array}{l} / \text{CH}_3 \\ \backslash \text{CH}_3 \end{array} \end{array}$	<p>2,5-dimethyl-3-heptene</p>
$\begin{array}{c} \text{CH}_3 \quad \text{CH}_3 \\ \quad \\ \text{CH}_3\text{C}=\text{CCH}_2\text{CH}_3 \end{array}$	<p>2,3-dimethyl-2-pentene</p>

Draw the following:

2-pentene	$\text{CH}_3\text{CH}=\text{CHCH}_2\text{CH}_3$
4,6-dimethyl-2-octyne	$\text{CH}_3-\text{C}\equiv\text{C}-\overset{\text{CH}_3}{\underset{ }{\text{CH}}}-\text{CH}_2-\overset{\text{CH}_3}{\underset{ }{\text{CH}}}-\text{CH}_2-\text{CH}_3$