

## Featured software

Distillation simulator	<a href="http://www.vaxasoftware.com/soft_eduen/sden.html">www.vaxasoftware.com/soft_eduen/sden.html</a>
FunGraph - Graphs of mathematical functions	<a href="http://www.vaxasoftware.com/soft_eduen/fungraph.html">www.vaxasoftware.com/soft_eduen/fungraph.html</a>
Design of distillation columns by McCabe-Thiele method	<a href="http://www.vaxasoftware.com/soft_eduen/mcth.html">www.vaxasoftware.com/soft_eduen/mcth.html</a>
Worksheets Generators for Maths and Chemistry	<a href="http://www.vaxasoftware.com/pc/index.html">www.vaxasoftware.com/pc/index.html</a>
Acid-base equilibrium calculator	<a href="http://www.vaxasoftware.com/soft_eduen/abew.html">www.vaxasoftware.com/soft_eduen/abew.html</a>
Statistics and Probability tools for Windows	<a href="http://www.vaxasoftware.com/soft_eduen/statool.html">www.vaxasoftware.com/soft_eduen/statool.html</a>

## Linear alkanes and radicals

Number of Carbons	Alkane			Radical	
	Formula		Name	Formula	Name
1	CH <sub>4</sub>	CH <sub>4</sub>	Methane	CH <sub>3</sub> -	methyl
2	C <sub>2</sub> H <sub>6</sub>	CH <sub>3</sub> -CH <sub>3</sub>	Ethane	CH <sub>3</sub> -CH <sub>2</sub> -	ethyl
3	C <sub>3</sub> H <sub>8</sub>	CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>3</sub>	Propane	CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>2</sub> -	propyl
4	C <sub>4</sub> H <sub>10</sub>	CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>2</sub> -CH <sub>3</sub>	Butane	CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>2</sub> -CH <sub>2</sub> -	butyl
5	C <sub>5</sub> H <sub>12</sub>	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>3</sub> -CH <sub>3</sub>	Pentane	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>3</sub> -CH <sub>2</sub> -	pentyl
6	C <sub>6</sub> H <sub>14</sub>	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>4</sub> -CH <sub>3</sub>	Hexane	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>4</sub> -CH <sub>2</sub> -	hexyl
7	C <sub>7</sub> H <sub>16</sub>	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>5</sub> -CH <sub>3</sub>	Heptane	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>5</sub> -CH <sub>2</sub> -	heptyl
8	C <sub>8</sub> H <sub>18</sub>	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>6</sub> -CH <sub>3</sub>	Octane	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>6</sub> -CH <sub>2</sub> -	octyl
9	C <sub>9</sub> H <sub>20</sub>	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>7</sub> -CH <sub>3</sub>	Nonane	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>7</sub> -CH <sub>2</sub> -	nonyl
10	C <sub>10</sub> H <sub>22</sub>	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>8</sub> -CH <sub>3</sub>	Decane	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>8</sub> -CH <sub>2</sub> -	decyl
11	C <sub>11</sub> H <sub>24</sub>	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>9</sub> -CH <sub>3</sub>	Undecane	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>9</sub> -CH <sub>2</sub> -	undecyl
12	C <sub>12</sub> H <sub>26</sub>	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>10</sub> -CH <sub>3</sub>	Dodecane	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>10</sub> -CH <sub>2</sub> -	dodecyl

### Branched alkanes and radicals

Alkane	Name	Radical	Name
$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{CH}-\text{CH}_3 \end{array}$	isobutane	$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{CH}-\text{CH}_2- \end{array}$	isobutyl
$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{CH}-\text{CH}_2-\text{CH}_3 \end{array}$	isopentane	$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{CH}-\text{CH}_2-\text{CH}_2- \end{array}$	isopentyl
$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{CH}-\text{CH}_2-\text{CH}_2-\text{CH}_3 \end{array}$	isohexane	$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{CH}- \end{array}$	isopropyl
$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{C}-\text{CH}_3 \\   \\ \text{CH}_3 \end{array}$	neopentane	$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{C}-\text{CH}_2- \\   \\ \text{CH}_3 \end{array}$	neopentyl
		$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{CH}_2-\text{CH}- \end{array}$	<i>sec</i> -butyl
		$\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{C}- \\   \\ \text{CH}_3 \end{array}$	<i>tert</i> -butyl