
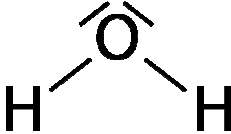
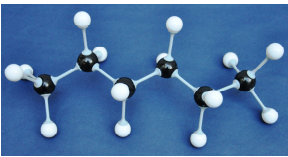
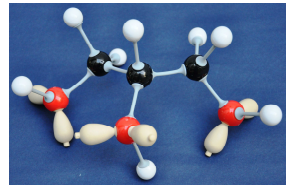


# Moleküle – Modell, Formel, Polarität, Eigenschaft


Finde jeweils die zum gleichen Molekül gehörenden sechs Kärtchen.  
Trage dann das Ergebnis in das dir vorliegende Arbeitsblatt ein.

Name des Moleküls	Modell- darstellung	Molekül- formel	Lewis- formel	Molekül ist: polar unpolar amphiphil	hydrophil/ lipophil
Wasser		H <sub>2</sub> O		polar	hydrophil




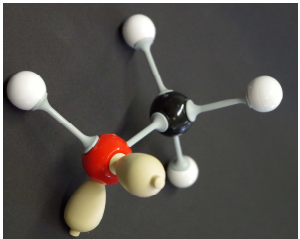

Name des Moleküls	Modell-darstellung	Molekül-formel	Lewis-formel	Molekül ist: polar unpolar amphiphil	hydrophil/ lipophil
Hexan		$C_6H_{14}$	<pre>       H   H   H   H   H   H                         H - C - C - C - C - C - C - H                               H   H   H   H   H   H           </pre>	unpolar	lipophil
Glycerin		$C_3H_8O_3$	<pre>       H         H - C - O - H         H - C - O - H         H - C - O - H               H           </pre>	amphiphil	hydrophil/ lipophil

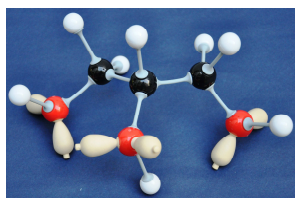
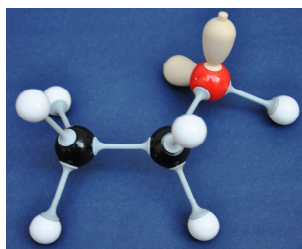
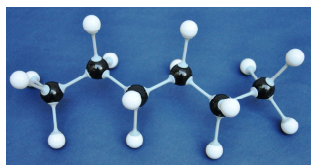


Name des Moleküls	Modell-darstellung	Molekül-formel	Lewis-formel	Molekül ist: polar unpolar amphiphil	hydrophil/ lipophil
Methan		CH <sub>4</sub>	<pre>       H         H — C — H               H           </pre>	unpolar	lipophil


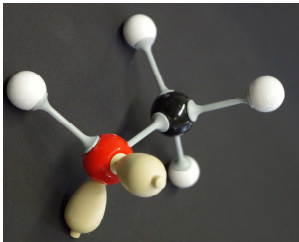



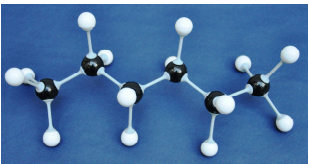
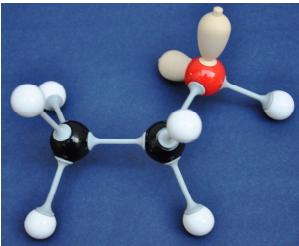
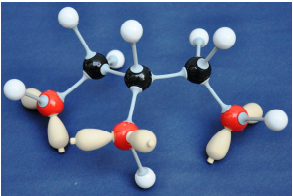
## Moleküle – Modell, Formel, Polarität, Eigenschaft (Tabellenformat)

Name des Moleküls	Modell-darstellung	Molekülformel	Lewisformel	Molekül ist: polar unpolar amphiphil	hydrophil/ lipophil
					
					
					



## Moleküle – Modell, Formel, Polarität, Eigenschaft (Lösung)

Name des Moleküls	Modell-darstellung	Molekülformel	Lewisformel	Polarität der Bindungen	hydrophil/ lipophil
Methan		CH <sub>4</sub>	$  \begin{array}{c}  \text{H} \\    \\  \text{H} - \text{C} - \text{H} \\    \\  \text{H}  \end{array}  $	unpolar	lipophil
Methanol		CH <sub>3</sub> OH	$  \begin{array}{c}  \text{H} \\    \\  \text{H} - \text{C} - \text{O} - \text{H} \\    \\  \text{H}  \end{array}  $	polar und unpolar	hydrophil/ lipophil
Wasser		H <sub>2</sub> O	$  \begin{array}{c}  \diagup \quad \diagdown \\  \text{O} \\  \diagdown \quad \diagup \\  \text{H} \qquad \text{H}  \end{array}  $	polar	hydrophil

Hexan		$C_6H_{14}$	$  \begin{array}{cccccc}  H & H & H & H & H & H \\    &   &   &   &   &   \\  H-C & -C & -C & -C & -C & -C-H \\    &   &   &   &   &   \\  H & H & H & H & H & H  \end{array}  $	unpolar	lipophil
Ethanol		$C_2H_5OH$	$  \begin{array}{c}  H \quad H \\    \quad   \\  H-C-C-O-H \\    \quad   \\  H \quad H  \end{array}  $	polar und unpolar	hydrophil/ lipophil
Glycerin		$C_3H_8O_3$	$  \begin{array}{c}  H \\    \\  H-C-O-H \\    \\  H-C-O-H \\    \\  H-C-O-H \\    \\  H  \end{array}  $	amphiphil	hydrophil/ lipophil