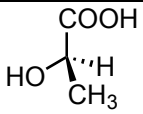

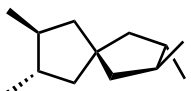
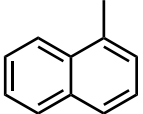
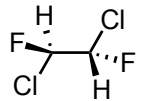
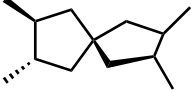
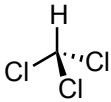

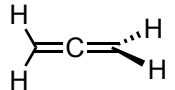

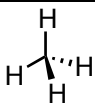



## Punktgruppen

Symbol	Symmetrieelemente	Chiralität	Beispiele
$C_1$	keine	✓	
$C_n$	$C_n$ ( $n > 1$ )	✓	 $C_2$
$D_n$	$C_n$ und $n C_2$	✓	 $D_2$
$C_s$	$\sigma$		
$C_i$	$i$		
$S_n$	$S_n$ ( $n > 2$ und geradzahlig)		 $S_4$
$C_{nv}$	$C_n$ und $n \sigma_v$		 $C_{3v}$
$C_{nh}$	$C_n$ und $\sigma_h$		 $C_{2h}$
$D_{nd}$	$C_n$ und $n C_2$ und $n \sigma_v$		 $D_{2d}$
$D_{nh}$	$C_n$ und $n C_2$ und $n \sigma_v$ und $\sigma_h$		 $D_{6h}$
$C_{\infty v}$	$C_{\infty}$ und $\infty \sigma_v$		H-C≡N
$D_{\infty h}$	$C_{\infty}$ und $\infty \sigma_v$ und $\sigma_h$		H-C≡C-H
$T_d$	4 $C_3$ und 3 $C_2$ und 6 $\sigma$		
$O_h$	3 $C_4$ und 4 $C_3$ und 6 $C_2$ und 9 $\sigma$		
$K_h$	alle		