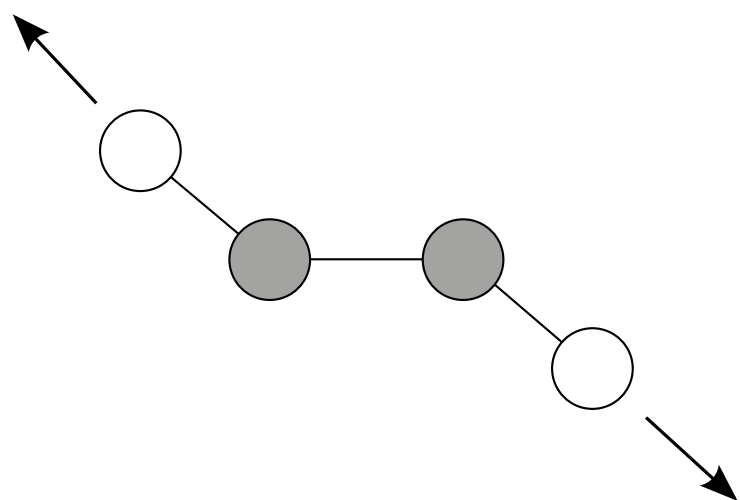


# Symmetry (C<sub>2h</sub>)

## Mode

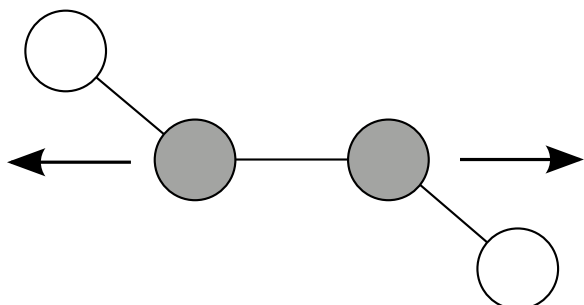
## Description



$\nu_1$

$a_g$

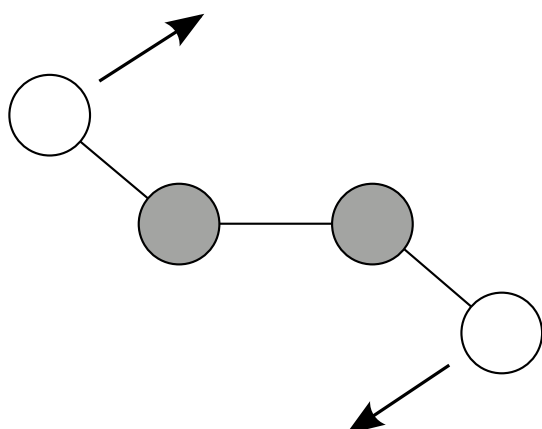
symmetric C-H stretch



$\nu_2$

$a_g$

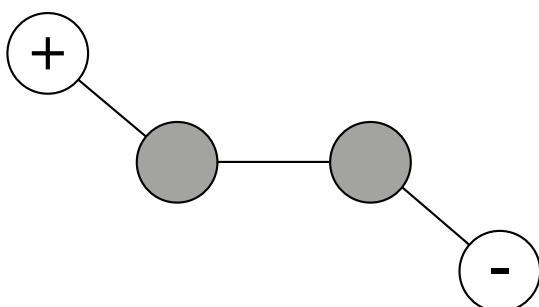
symmetric C-C stretch



$\nu_3$

$a_g$

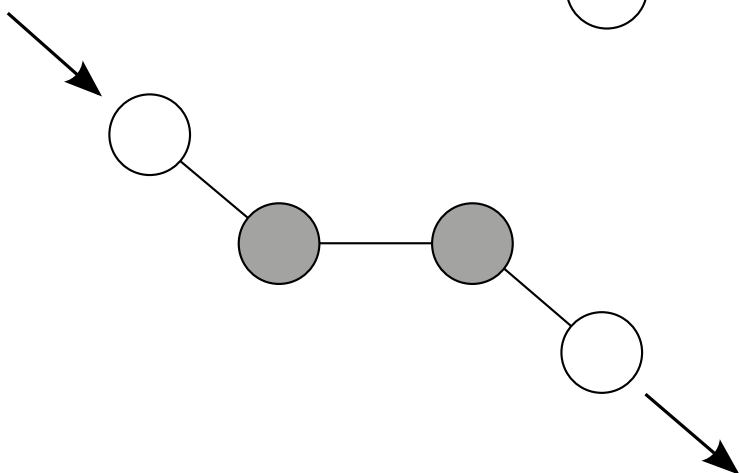
symmetric in-plane bend  
*trans* bend



$\nu_4$

$a_u$

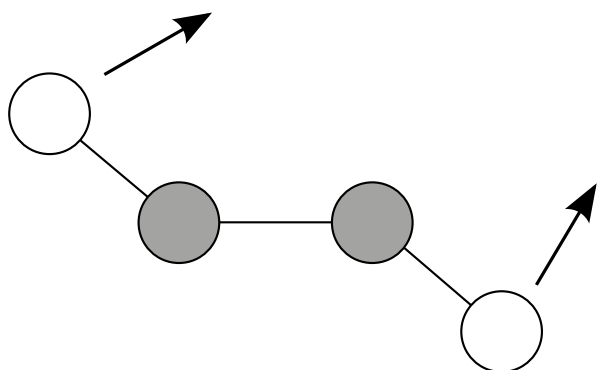
torsion



$\nu_5$

$b_u$

antisymmetric C-H stretch



$\nu_6$

$b_u$

antisymmetric in-plane bend  
*cis* bend