



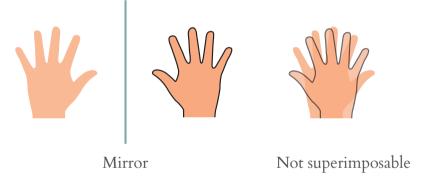
Chiral atom

- Atom bounded to four different atoms
- Also called stereocenter



Chiral molecule

• Not superimposible on its mirror center



Achiral molecule

• Superimposible on its mirror center

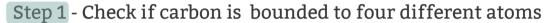


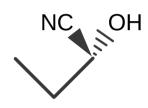


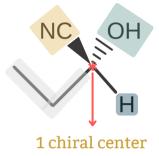


Identify the stereocenter and if the molecule is chiral or achiral

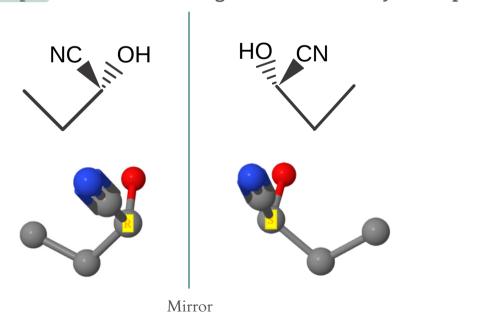
Example 1

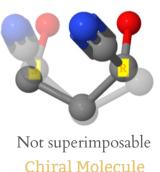






Step 2 - Draw mirror image and check if they are superimposible





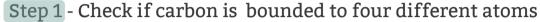
Use the QR codes to visualize the virtual 3D Models



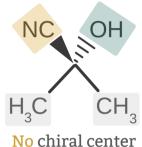
Chirality C

Identify the stereocenter and if the molecule is chiral or achiral

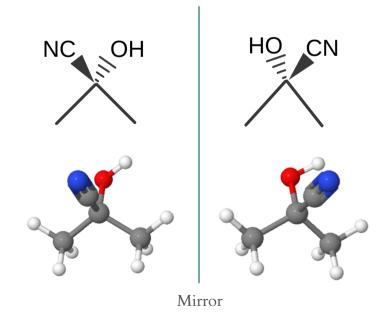
Example 2

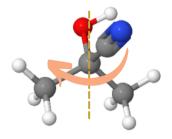






Step 2 - Draw mirror image and check if they are superimposible









Achiral Molecule



Use the QR codes to visualize the virtual 3D Models

By **rotating** the mirror image is possible to conclude that the molecules are identical and superimposable.