Cahn-Ingold-Prelog convention

**Tetrahedral/sp³ stereocenters:** R or S

**Step 1:** Assign priorities to substituents, giving higher priority to atoms of higher atomic number (e.g., S > O > N > C > H)
- If there is a "tie," then compare the substituents attached to the groups in question.
- If there is a multiple bond, then each formal bond is counted once.
- Lone pairs have atomic number 0.

**Step 2:** Place the lowest priority substituent in back. If the other three substituents decrease in priority in:
- a clockwise direction ⇒ R
- a counterclockwise direction ⇒ S