

L30 Bonding Tendencies

TODAY'S
DATE

E.Q.: What are the rules for drawing structural formulas

HONC 1234 rule - a rule that states that in most molecules

- hydrogen makes 1 bond
- oxygen " 2 bonds
- nitrogen " 3 "
- carbon " 4 "

Steps for drawing structural formulas

- 1) connect carbon atoms
- 2) insert nitrogen or oxygen atoms, either on the ends or somewhere in the middle of the carbon chain
- 3) add hydrogen atoms last
- 4) check that each atom follows the HONC 1234 rule