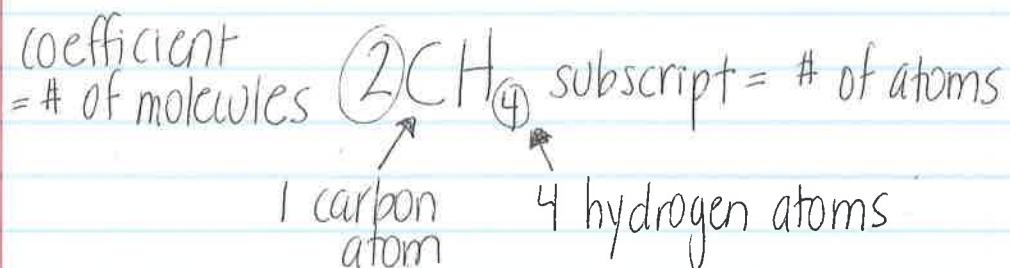


Chemical Formulas

A molecule's chemical formula tells you the ratio of atoms of each element in the compound.

Two Molecules of Methane



No subscript means that you have one atom.

In balancing chemical equations, you cannot change the subscripts.

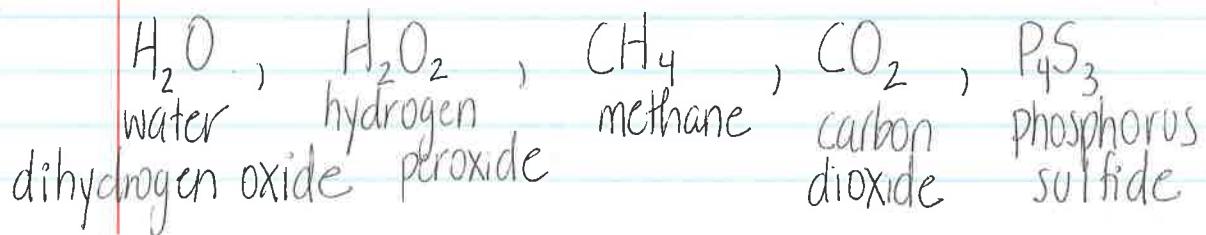
You can only change coefficients.

Changing subscripts changes the type of compound.

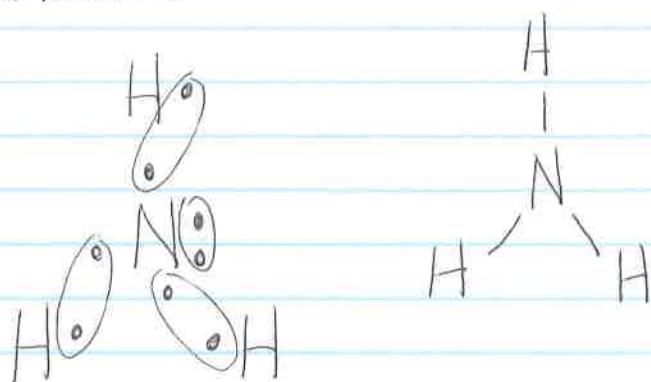
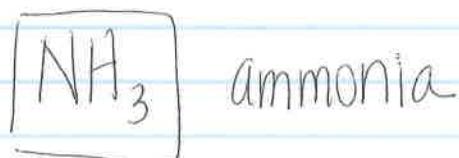
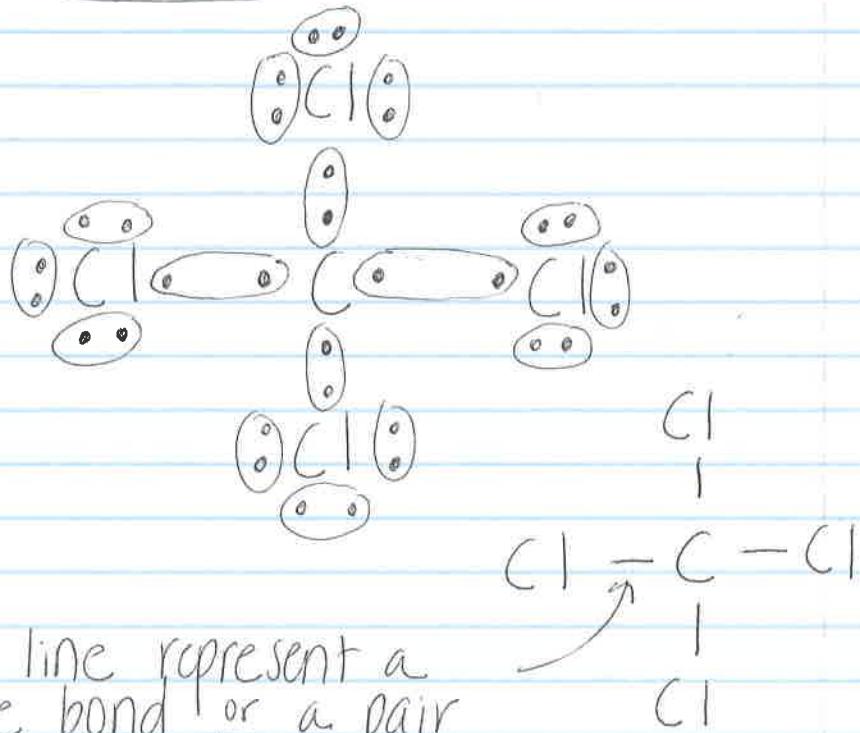
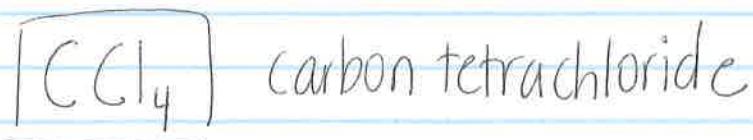
Covalent Bonds

A covalent bond is one in which electrons are shared.

Non-metals pair with other non-metals to form covalent bonds.



Examples of Covalent Bonds



Hydrogen has a full 1st orbital with 2 electrons.

Nitrogen has 8 valence electrons + is stable.