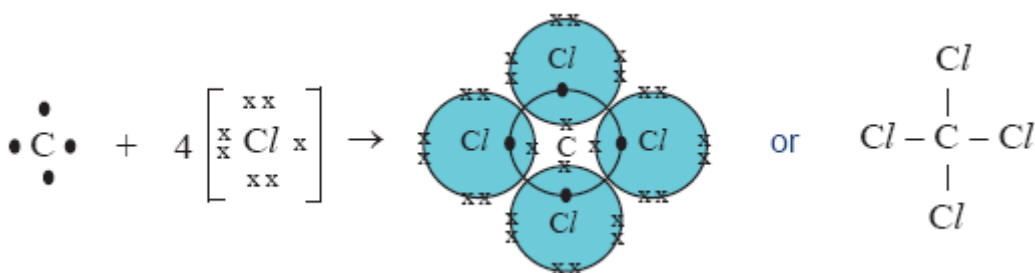


Answer on Question # 72558 - Chemistry - General Chemistry

Homework Covalent bonds + Nonmenclature chemical formula central atoms needs most electrons combine (share) electrons between lone pairs draw the Lewis dot structure

Solution

Covalent bond occurs if two electrons are equally shared between two atoms. Binary covalent compounds usually contain two nonmetals in its chemical formula. When naming covalent compounds, prefixes are used to show how many atoms of each element present in a compound. For example, the name of CCl_4 is carbon tetrachloride ("tetra-" is a greek "four"). Carbon has four electrons in its outermost (valence) shell. These electrons can be used to form four covalent bonds, as illustrated below:



Sources:

http://www.onlinetest.radicesolutions.com/Solved_Problems/Carbon/Carbon1.html