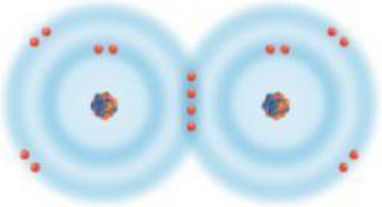
Chemical bonding

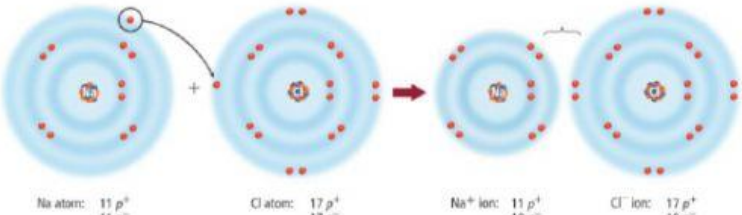
In this type of chemical bonding the forces the electrons are shared between the two atoms. The sharing of electrons helps to fill out the outer electron shell of the atom. Two hydrogens and one oxygen is held by this type of a bond in a water molecule.

In this type of a bond the atoms accept or donate electrons so that their outer shell is filled or totally empty. This type of bond creates ions. Ions are atoms with a charge. An attraction is formed between a positive ion and a negative ion forming a bond between the two atoms. One example of this type of bonding is NaCl.



Double bond

O_2



Sodium atom + Chlorine atom → Sodium ion + Chloride ion

Na + Cl → NaCl