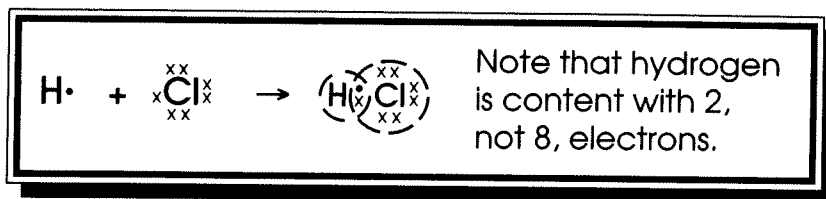


# COVALENT BONDING

Name \_\_\_\_\_

Covalent bonding occurs when two or more nonmetals share electrons, attempting to attain a stable octet of electrons at least part of the time. For example:



Show how covalent bonding occurs in each of the following pairs of atoms. Atoms may share one, two or three pairs of electrons.

1. H + H (H <sub>2</sub> )
2. F + F (F <sub>2</sub> )
3. O + O (O <sub>2</sub> )
4. N + N (N <sub>2</sub> )
5. C + O (CO <sub>2</sub> )
6. H + O (H <sub>2</sub> O)