

VOCABULARY

Chemistry- Mr. Hunter

Chapter 8

1. **Covalent Bond:** a bond formed by the sharing of electrons between atoms.
2. **Molecule:** a neutral group of atoms joined together by covalent bonds
3. **Diatomic Molecule:** a molecule consisting of two atoms
4. **Molecular Compound:** a compound which is composed of molecules
5. **Molecular Formula:** shows the kinds and numbers of atoms present in a molecule of a compound
6. **Structural Formula:** chemical formulas that shows the arrangement of atoms in a molecule or a polyatomic ion
7. **Unshared Pair:** a pair of valence electrons that is not shared between an atom.
8. **Double Covalent Bond:** two atoms share two pairs of electrons
9. **Polyatomic Ion:** group of atoms that behaves as a unit and has a + or – charge.
10. **VSEPR Theory:** valence shell electron pair repulsion theory: electron pairs repulse, so molecule shapes adjust to keep pairs as far apart as possible.
11. **Polar Covalent Bond:** a covalent bond between atoms in which the electrons are shared unequally.
12. **Non Polar Covalent Bond:** a covalent bond in which the electrons are shared equally by the two atoms.
13. **Dipole:** a molecule that has two poles, with opposite charges.