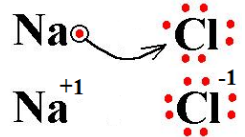


Identify the Type of Bond

Ionic

electrons transferred



cation & anion



(metal) (nonmetal)

☆ magnetic attraction

☆ strongest type of bond

cross charges

cation anion
first second
-ide ending

**NEVER use
prefixes**

**always use
empirical formulas**

Transition Metals

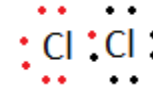
use Roman Numerals
Sn & Pb

Polyatomic Ions

use parentheses if
cross charge to outside

Covalent

electrons shared



nonmetal & nonmetal

☆ physically joined

**always use
prefixes**

-ide ending on 2nd element

**The prefix communicates
the subscript.**

1. mono **never on 1st element**
2. di
3. tri
4. tetra
5. penta
6. hexa
7. hepta
8. octa
9. nona
10. deca

**NEVER
cross
anything!**

There are **NO CHARGES**
when electrons are shared.

**NEVER
use empirical
formulas unless
asked to**