

**Metallic
Bonds**

**Ionic
Bonds**

**Hydrogen
Bonds**

**Covalent
Bonds**

**Nonmetal
and
Nonmetal**

**Metal
and
Nonmetal**

**Nonmetals
H and
O or N**

**Metal
and
Metal**

Sharing
of

Electrons

Loss and
Gain of
Electrons

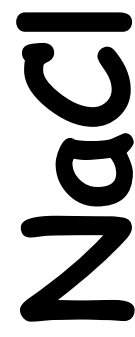
H⁺ attracted
to N⁻, O⁻, or
F⁻ on another
polar molecule

All atoms
Share
sea of
Electrons

Glucose

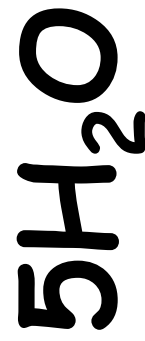


Salt



Water

Molecules



Copper

Wire

Cu