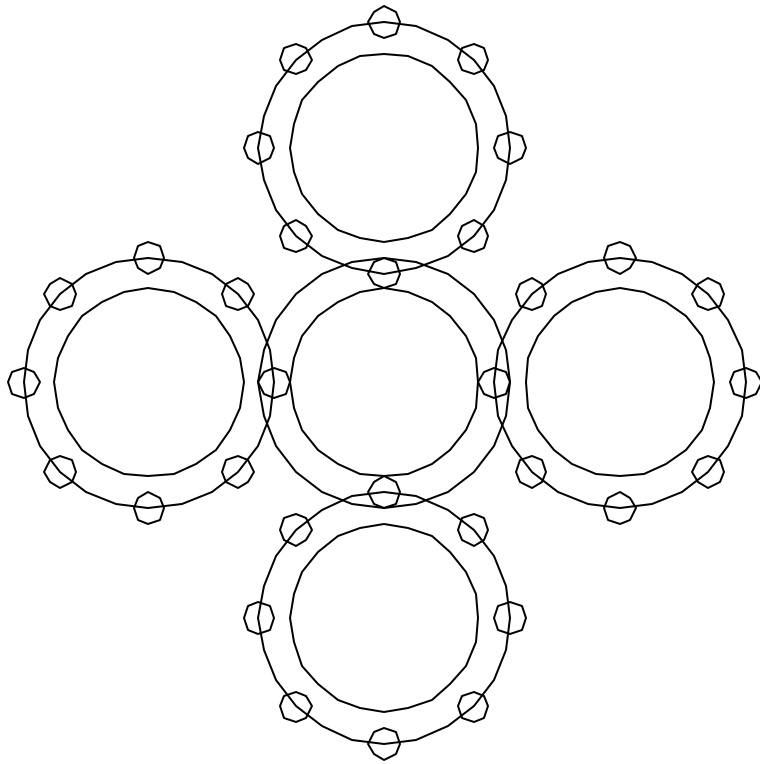
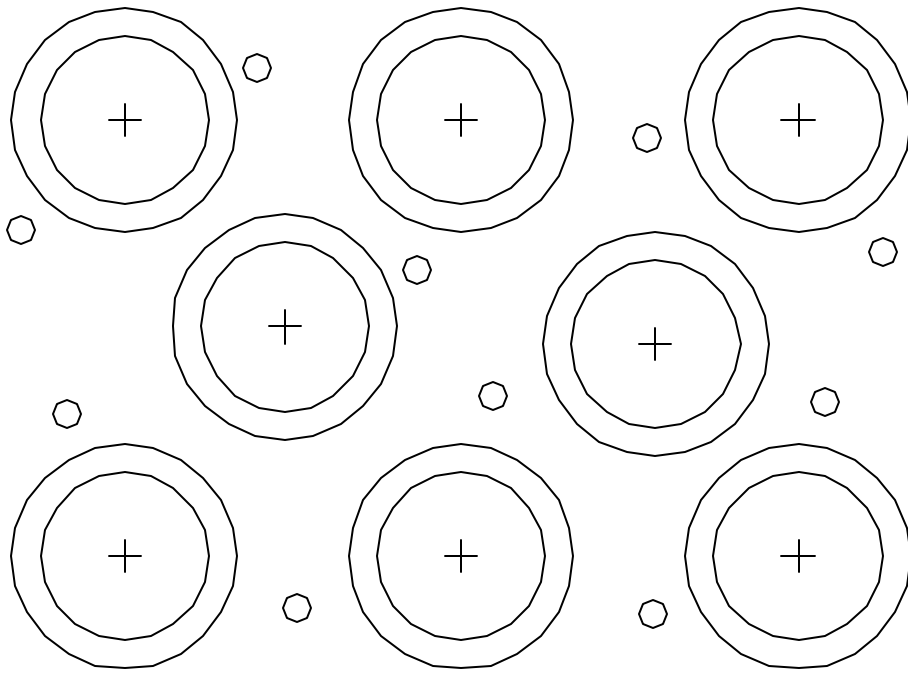


Ionic Bonding - atoms give up electrons, forming ions. Common in ceramics, these are hard, brittle.



Covalent Bonding - atoms share electrons, forming strong, flexible bonds. Common in polymers, these are more flexible bonds.



Metallic Bonding - atoms share the relatively few valence electrons, forming an electron cloud around positive ions.