

Chemical Bonds

Chapter 6

Revisiting Valence Electrons

Outer shell electrons in the highest energy level

Use your orbital configurations to determine

Chapter 6: Chemical Bonds

1. Ionic bonds
2. Covalent bonds
3. Naming compounds and writing formulas
4. Metals

What can the shape of material tell you about the material?

CLASS ACTIVITY

The shape of a material relates to its structure on the atomic level.

Ionic Bonds
(transfer of electrons)
OR
(give-and-take)

An Ionic bond example:
"give-and-take"



The result of the "give-and-take" is the formation of one + ion and one - ion that are electrically attracted to each other, + to -