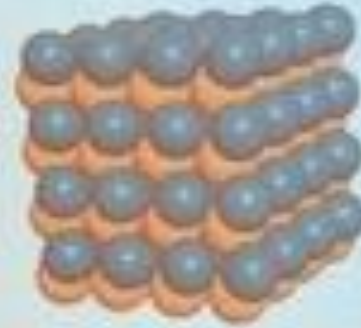


Ionic

Occurs between a cation and an anion.

Atoms transfer electrons to become stable.



Has a high melting point.

Compound structure has a repeating pattern, a crystalline structure.

Conducts electricity when in liquid state.

Occurs between metal and a nonmetal.

A bond between an atom with a high electronegativity and an atom with a low electronegativity.

Both

Atoms bond to acquire 8 valence electrons.

Involves atoms that need to follow the octet rule.

Does not conduct electricity in solid state.

Molecular



Does not conduct electricity in any state.

Has a low melting point.

A bond between atoms that have similar electronegativities.

Occurs between non-metals.

Atoms share electrons to become stable.