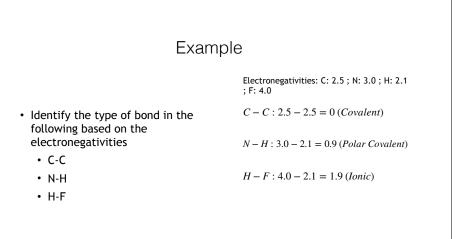


Electronegativity and Bond type

- Electronegativity Difference
 - The difference in negativity estimates the bond polarity and bond type
- Types of bonds
 - Large electronegativity difference = ionic
 - Small electronegativity difference = covalent

Image Credit: OpenStax Chemistry - Figure 7.8 (part) CC BY 4.0

Bond Type	Electronegativity Difference
pure covalent	< 0.4
polar covalent	between 0.4 and 1.8
ionic	> 1.8



Summary

- In an ionic bond, electrons are transferred from one atom to another
- In a covalent bond, electrons are shared between atoms
- Electronegativities can help us determine the type of bond between two atoms